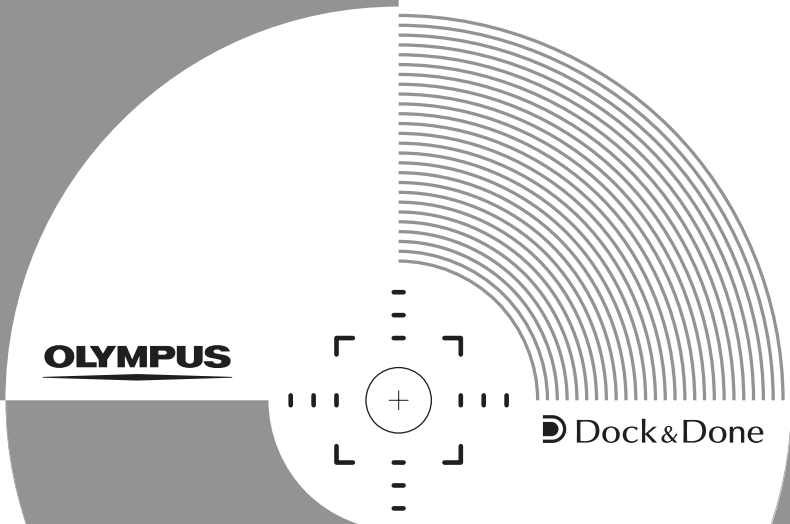
REFERENCE MANUAL

Digital Camera

IR-500



For customers in North and South America

For customers in USA

Declaration of Conformity

Product Name	:Digital Camera
Model Number	:IR-500
Trade Name	:OLYMPUS
Responsible Party	:OLYMPUS IMAGING AMERICA INC.
Address	:Two Corporate Center Drive, PO Box 9058, Melville, NY 11747-9058 U.S.A.
Telephone Number	:1-631-844-5000

Tested To Comply With FCC Standards
FOR HOME OR OFFICE USE

This device complies with Part 15 of the FCC rules. Operation is subject to the following two conditions:

(1) This device may not cause harmful interference.
(2) This device must accept any interference received, including interference that may cause undesired operation.

FCC Notice

• Radio and Television Interference

Change or modifications not expressly approved by the manufacturer may void the user's authority to operate this equipment. This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.
This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.
However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Adjust or relocate the receiving antenna.
- Increase the distance between the camera and receiver.
- Connect the equipment to an outlet on a circuit different from that to which the receiver is connected.

Consult your dealer or an experienced radio/TV technician for help. Only the OLYMPUS-supplied cables should be used to connect this product to other products.

Any unauthorized changes or modifications to this equipment would void the user's authority to operate.

For customers in Canada

This Class B digital apparatus complies with Canadian ICES-003.

For customers in Europe

"CE" mark indicates that this product complies with the European requirements for safety, health, environment and customer protection. "CE" mark cameras are intended for sales in Europe.

Introduction

The reference manuals for this camera consist of the following three guides. To ensure correct and safe use of the camera, please read the manuals before using the camera and refer to them whenever necessary during use.

Quick Start Guide

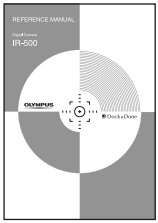
Contains instructions for basic operations to use the camera immediately after purchase.

Basic Manual

Contains instructions for setup and some for basic operations.

We recommend first-time users read this manual first.

Reference Manual (CD-ROM Edition) (this manual)



Contains descriptions of all the camera functions.

Use this manual to get detailed information on all the features and functions of your camera.

- The contents of this manual are subject to change without notice. Contact an authorized Olympus service center in the enclosed Authorized Distributors List with the product name and model number for the latest information.
- While every care has been taken in the preparation of this manual, if you find any errors, omissions, or points which are unclear, please contact an authorized Olympus service center.
- The contents of this manual may not be reproduced in whole or in part except for personal use. It may not be transferred without permission.
- Olympus accepts no responsibility for losses suffered by the customer or a third party as a result of improper use of this product.
- Olympus accepts no responsibility for any damage due to a loss of image data resulting from malfunction of this product, repair by a third party not authorized by Olympus, or other reasons.
- The quality of images taken by this product will differ from the quality of images taken by film cameras.

Trademarks

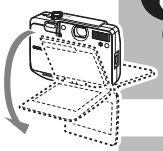
- , Dock & Done and OLYMPUS Master are trademarks of OLYMPUS CORPORATION.
- Windows is a registered trademark of Microsoft Corporation.
- Macintosh and Apple are trademarks of Apple Computer, Inc.
- All other company and product names are registered trademarks and/or trademarks of their respective owners.

Design rule for Camera File system (DCF)

The standards for camera file systems referred to in this manual are the “Design rule for Camera File system (DCF)” standards stipulated by the Japan Electronics and Information Technology Industries Association (JEITA).

What can I do with the camera?

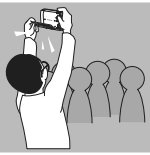
When shooting



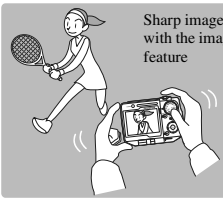
Easy self-shooting with the multi-swing display (in self-portrait mode ☞ page 61)

Retracting display for LCD and lens protection and easy portability

Shoot subjects from high or low angles, adjusting the angle of the multi-swing display.



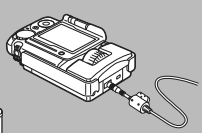
A choice of 17 shooting modes for any situation



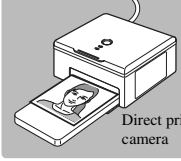
Sharp images ensured with the image stabilizer feature

When setting on the cradle

Play back images with the slide show feature.

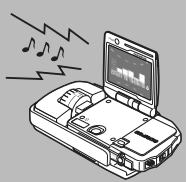


Easy battery charge



Direct printing from the camera

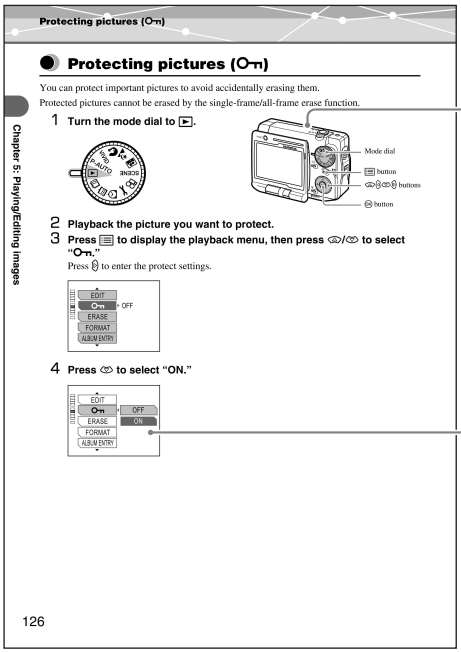
Useful feature



Built-in clock/alarm

How to use this instruction manual

How to read the instructions



Controls necessary for operations are shown using illustrations.

Screens show the results of the operations.

This sample page is only for your reference. It may differ from the actual page in this manual.

What do the icons mean?

This manual uses the following icons:

Icons	Indication
Tip	Indicates useful information for convenient camera operation.
Note	Indicates important instructions and cautions when you operate the camera.
☞	Indicates the reference information and page.

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Chapter 1: Read this first

For safe use of this product

Be sure to read this section for correct and safe use of the product before you start using the product.

Various symbols are used to warn of hazards to yourself and others and prevent damage to property through misuse of the camera. The symbols and their meanings are explained below.

⚠ **Danger**	This symbol indicates that failure to observe the instructions will likely result in serious injury or possibly even death.
⚠ **Warning**	This symbol indicates that failure to observe the instructions may result in serious injury or possibly even death.
⚠ **Caution**	This symbol indicates that failure to observe the instructions may result in injury or damage to property.

Precautions when handling the camera

⚠ Warning

- **Do not use in the presence of flammable or explosive gas.** Do not use the camera if there is the possibility of the presence of such gases in the air. Failure to do so could result in fire or explosion.
- **Do not fire the flash close to your subject's eyes (particularly in the case of young children).** Using the flash at close range could cause visual impairment. Do not fire the flash close to your subject's eyes. Exercise extra caution for young children.
- **Keep out of the reach of children.** Care should be taken to prevent the following accidents.
  - Strangulation caused by wrapping the strap round the neck.
  - Swallowing of small accessories such as the battery or xD-Picture Card. If this happens, seek medical attention immediately.
  - Visual impairment caused by the flash being fired at close range.
  - Injury caused by the camera's operating parts.

- **Avoid prolonged contact with the camera, AC adapter, and cradle while charging.** The camera and cradle become hot during charging. Also the camera becomes hot during continued use with the specified AC adapter. Prolonged contact with the camera during use could result in low temperature burns.
- **Do not use or store the camera for a long time in an environment where there is a lot of dust, dampness, smoke, or steam.** This could result in fire or electric shock.
- **Do not cover the flash with your fingers when using the flash.** Do not touch the flash during firing or after successive firing. Failure to do so could result in burns.
- **Do not attempt to disassemble or modify the camera.** Such action could lead to electric shock or injury.
- **Do not let any water or other foreign objects get inside the camera.** Should the camera be dropped in water, or water get into the internal parts, it could result in fire or electric shock. Remove the battery immediately and contact your nearest dealer or Olympus service center.

⚠ Caution

- **Should you notice smoke or an unusual smell or noise, stop using the camera immediately.** Remove the battery taking care to avoid burns, and contact your nearest dealer or Olympus service center. Failure to do so could result in fire or burns. (Remove the battery outdoors, away from anything combustible, and avoid touching it with your bare hands.)
- **Do not operate the camera with wet hands.** This could result in electric shock.
- **Do not touch the cradle's camera connector.** If you accidentally press the metal cover of the cradle's camera connector, the contacts of the connector may be revealed. Should you touch the contacts, it could result in corrosion of the contacts.
- **Be careful with the strap when carrying the camera** as it can easily catch on stray objects, causing injury or damage.

- **Do not leave the camera in places of high temperature.** Doing so could result in deterioration of parts or fire. Do not cover the AC adapter or cradle with anything such as a cloth or blanket when in use. This may cause overheating, resulting in fire.
- **Use only the specified AC adapter.** Use of an unauthorized adapter may result in damage or malfunction of the camera or power source, leading to accidents. Olympus is not responsible for any damages arising from use of an unauthorized adapter.
- **Do not damage the power cord.** Do not pull the power cord nor attempt to extend it. Always disconnect the AC adapter by pulling the plug not the cable. Discontinue use of the AC adapter immediately in the event of the following, and contact your nearest dealer or Olympus service center.
  - If the plug or cable is hot, there is a smell of burning, or smoke is emitted.
  - If the plug or cable is damaged or ruptured, or the plug connection is faulty.
- **Avoid touching the metal parts on the outside of the camera for long periods of time.**
  - The camera becomes hot during continued use. Prolonged contact with the metal parts may result in low temperature burns.
  - When exposed to low temperature, the temperature of the camera exterior will also drop. This may cause injury by the skin adhering to the camera. To avoid low temperature burns or injury, wear gloves when handling the camera.
- **Do not let any foreign objects get stuck between the multi-swing display and camera body.** Be particularly careful when carrying the camera in your bag. If a thin object such as a note book or card get stuck, the camera may be damaged, or the camera may accidentally turn on and consume battery power.

Conditions for use of the product

- This camera contains precision electronic parts. Avoid using or leaving the camera for long periods of time in the following places as this could result in failure or malfunction.
  - Places of high temperature and high humidity or where the temperature and humidity fluctuate greatly, such as in direct sunlight, on the beach in summer, in a car with the windows closed, or next to air conditioning equipment or a humidifier
  - Places where there is a lot of sand, dust or dirt
  - Near fire
  - Near water
  - Places that are subject to considerable vibration
- Avoid dropping or hitting the camera or subjecting it to severe vibration or impact.
- If you hold the cradle upside down with the camera set, the camera may fall out of the cradle.
- Do not pick up by the camera only when it is set on the cradle.
- Keep the camera away from things susceptible to damage from magnetism such as credit cards, magnetic commuter passes, and floppy disks. The data of those things could be corrupted and no longer usable.
- Do not take pictures of, or leave the camera with the lens aimed directly at, the sun. Doing so may cause color-fade or burn-in on the CCD.
- If the camera is subjected to a sudden temperature change, for example by bringing it from a cold place into a warm room, condensation may form on the inside. Place the camera in a plastic bag until the temperature difference has subsided.
- If the camera is left unused for a long period of time, mold may form, causing failure or malfunction. We recommend that you check that the camera is still working properly before using it.

Precautions regarding the monitor

- Do not apply excessive pressure to the monitor. This may cause smears, prevent pictures from being played back properly, or damage the monitor. Should the monitor break, avoid getting any of the liquid crystal in your mouth. If it gets on your hands or feet or on your clothing, wash it off immediately with soap and water.
- Lines, like strips of light, may appear at the top or bottom of the monitor. This is not a malfunction.
- When photographing an oblique subject, the subject may appear on the monitor with ragged edges. This is not a malfunction. The ragged edges will disappear when the picture is played back.
- In general, the lower the temperature, the longer it takes the monitor to turn on. Pictures may also appear temporarily discolored. Keep the camera warm when taking pictures in a cold region. Performance of the monitor may deteriorate in low temperatures, but will be restored when the camera is returned to normal temperatures.
- **The latest high precision technology has gone into the making of the camera's monitor, but there are some pixels which are permanently lit or which do not light at all. These pixels do not affect the recorded picture. Also, depending on the angle at which the monitor is viewed, the colors and brightness may appear uneven. This is due to the structure of the monitor and is not a malfunction.**

About the AC adapter

⚠ Caution

- Use only the supplied AC adapter. Use the AC adapter within the specified range of voltage.
- The AC adapter is for indoor use only.
- Be sure to turn off the camera before you disconnect the cables from the terminals or electrical outlet. Failure to do so could affect the camera's internal image data, settings or functions.
- The AC adapter may become warm while being used. This is not a malfunction.
- You may hear some signal from inside the AC adapter. This is not a malfunction.
- Use the AC adapter away from radios. Failure to do so may cause noise in the radio.

Precautions when handling the battery

Observe the following precautions to avoid battery leakage, overheat, ignition, explosion, or accidental swallowing.

⚠ Danger

- **Be sure to use a dedicated Olympus lithium ion battery.** Always charge the battery according to the specified method. Failure to do so may result in fire or injury. Thoroughly read the instruction manual of the battery and use the battery correctly.
- **Do not expose the battery to fire or excessive heat.** This could result in fire or explosion.
- **Do not use or leave the battery in places of high temperature such as in strong sunlight, inside a car under a blazing sun, or in front of a heater.** This could result in fire or ignition.
- **Do not attempt to solder, deform, modify, or disassemble the battery.** This could damage the terminal safety valve or cause splattering of the battery contents.
- **Do not bring the plus or minus terminals into contact with anything metal.** Do not transport or store the battery with metal objects such as necklaces or hairpins.
- **Should battery fluid get in your eyes, wash your eyes immediately with clean water and do not rub them.** Seek medical attention immediately as blindness could result.

⚠ Warning

- **When you store or use the battery, keep the battery out of the reach of children.** If the battery is accidentally swallowed, seek medical attention immediately.
- **Do not wet the battery.** Do not immerse the battery in water or in the sea.
- **Do not expose the battery to strong impacts or damage the battery.**
- **Discontinue use immediately should you notice anything unusual such as leakage, discoloration, or deformation.**
- **If battery fluid gets on your skin or clothing, wash immediately in clean water.** The fluid could cause harm to your skin.

⚠ Caution

- The battery is exclusively for use in Olympus digital cameras. Do not use in any other equipment.
- Dirt on the plus or minus terminals may cause contact failure. Wipe with a dry cloth.
- The battery becomes hot after prolonged use of the camera. Do not attempt to remove it immediately. This could result in burns.
- In general, as the temperature falls, battery performance also temporarily deteriorates. When taking pictures in cold regions, keep the camera warm by putting it inside your coat or clothing. Reduced battery performance due to low temperature will recover when the camera is returned to normal temperatures.
- **Repeated recharging leads to gradual deterioration in the performance of the battery. When the working time of the battery starts getting shorter even though it has been charged for the specified length of time, the battery can be regarded as having reached the end of its serviceable life. When this happens, replace it with a new battery.**
- Used rechargeable batteries are a valuable resource. Cover the plus and minus terminals with tape and take the rechargeable battery to an electrical shop for recycling.

Precautions for handling the picture card

⚠ Warning

- **Keep out of the reach of children.** Failure to do so may cause accidental swallowing.

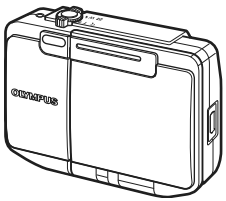
⚠ Caution

- The picture card is a precision electronic device. Do not bend it or subject it to impact. And keep it away from static electricity. The data stored on the card is saved in a nonvolatile semiconductor memory, but it can be accidentally destroyed. Observe the following when using the card. Once destroyed, data cannot be restored.
  - Do not bend the card or subject it to impact.
  - Do not use or store the card near heat-generating or combustible materials nor in an environment of high temperature and high humidity or where there is a lot of dust.
  - Do not wet it.
  - Do not touch or apply any metal objects onto the terminals.
  - Do no turn off the power, shake the camera, nor attempt to remove the card or battery while the data is being written or read.
- Fingerprints or dirt on the card metal contacts (terminals) may prevent correct reading or writing of data. Wipe the contacts gently with a soft dry cloth.
- **The picture card is a consumable item. After long use, writing to the picture card and erasing of data no longer becomes possible. When this happens, replace it with a new card.**
- Be sure to format a card using this camera if the card has been formatted on a computer or another camera.
- **Olympus is not responsible for any damage to data saved in other media or loss of data stored on the card.**

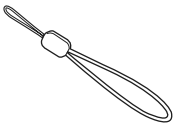
Unpacking the box contents

Make sure your box contains everything listed below.

If any item is missing or damaged, contact the dealer where you purchased the camera.



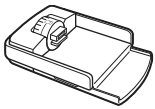
Digital camera



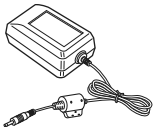
Strap

Card (xD-Picture Card)

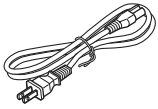
Lithium ion battery (LI-12B)



Cradle

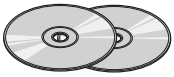


AC adapter (A511)

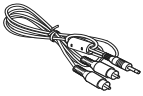


Power cord*1

USB cable



CD-ROMs (OLYMPUS Master) (Manual CD)



AV cable

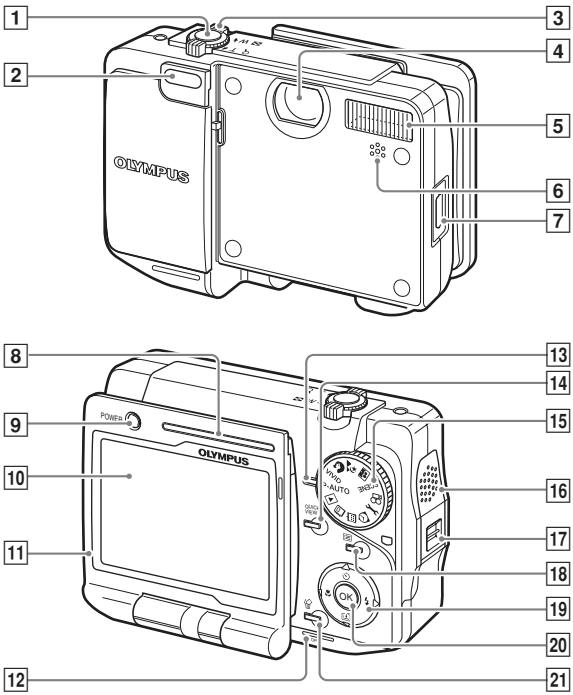
- Basic Manual
- Quick Start Guide
- Warranty card
- Authorized Distributors List
- Registration card*2

*1 The shape of the plug differs from country to country.
*2 Not supplied in some areas.

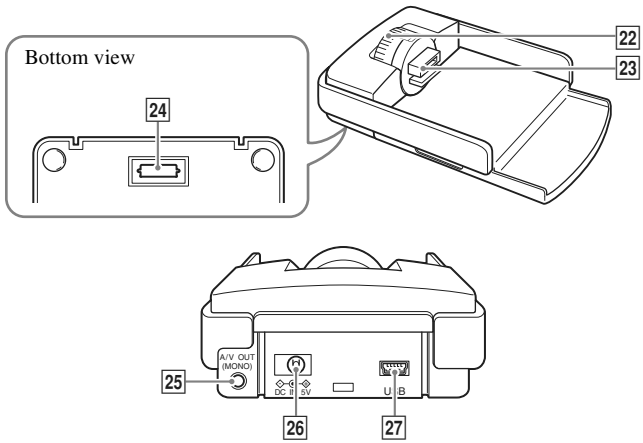
Names of parts

Digital camera

The illustrations below show the camera with the multi-swing display turned 360 degrees.



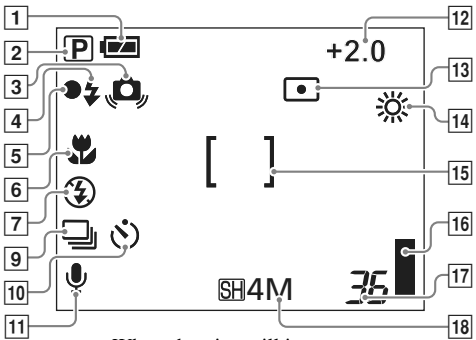
Cradle



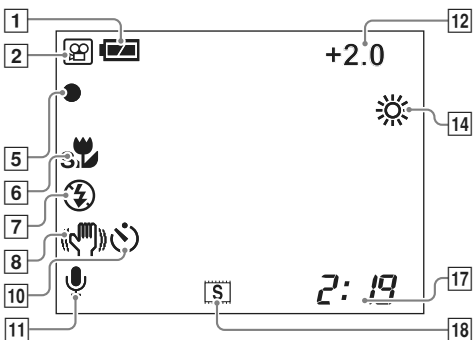
Number	Name of part	Number	Name of part
1	Shutter button	15	Mode dial
2	Self-timer lamp	16	Speaker
3	Zoom lever (W/T) (▪/🔍)	17	Strap eyelect
4	Lens	18	Menu button
5	Flash	19	Arrow pad (◁)/(▷)/(△)/(▽)
6	Microphone	20	OK button (OK)
7	Cradle connector	21	Erase button
8	Power lamp	22	Camera connector dial
9	Power switch	23	Camera connector
10	Monitor	24	Dock&Done connector
11	Multi-swing display	25	A/V output terminal
12	Battery/Card cover	26	DC input terminal
13	Card access lamp	27	USB terminal
14	Quick view button QUICK VIEW		

Monitor indications

Shooting mode



When shooting still images

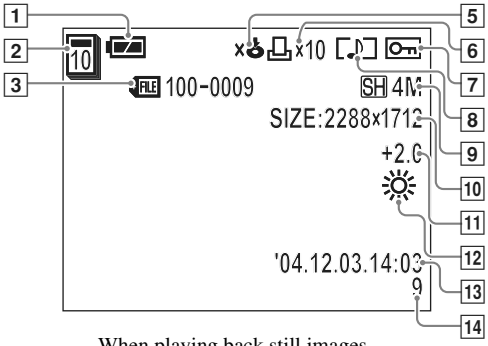


When shooting movies

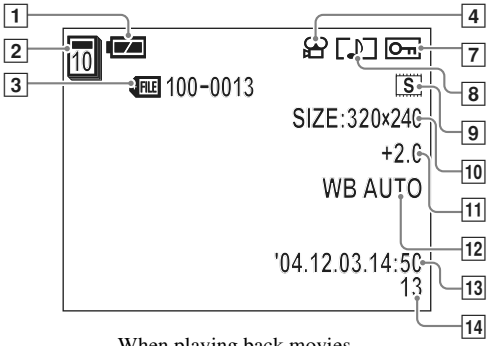
Number	Item	Indication	Ref. page
1	Battery level	,	P.27
2	Shooting mode	P, , , , , , , , , , , , , , , , , , , ,	P.57 P.243
3	Camera movement warning		P.52
4	Flash standby Flash charging	(Lights) (Blinks)	P.53 P.245
5	Green indicator	●	P.43 P.245
6	Macro mode, Super macro mode	,	P.54
7	Flash mode	(), , , (Only when shooting movies)	P.51
8	Image stabilizer		P.92
9	Sequential shooting	,	P.69
10	Self-timer		P.55
11	Recording sound with still images Recording sound with movies		P.90 P.94
12	Exposure compensation	–2.0 to +2.0	P.71
13	Spot metering		P.79
14	White balance	, , ,	P.76
15	AF target mark	[ ]	P.45
16	Memory gauge		P.28
17	Number of shots remaining (still image) Remaining recording time (movie)	36 2:19	P.65 P.67
18	Record mode	Still image: SH 4M, H 2M, B 1M, VGA Movie: F, S, E,	P.65

Playback mode

You can change the information display to either the standard mode or detail mode. Below are the displays when “INFO” is set to “DETAIL” For more information, see “Switching the information display mode (INFO)” (☞ page 110).



When playing back still images



When playing back movies

Number	Item	Indication	Ref. page
1	Battery level	,	P.27
2	Playback mode	(Calendar mode) (Album mode)	P.132 P.132
3	File number	Still image: 100-0009 Movie: 100-0013	P.131
4	Movie		P.46
5	Storage status	(When “NOT STORE” is selected/ After the image data is stored to the storage unit)	P.129
6	Print order × The number of print copies	× 10	P.185
7	Protect		P.126
8	Sound		P.91 P.95
9	Record mode	Still image: SH 4M, H 2M, B 1M, VGA Movie: F, S, E,	P.65
10	Resolution (image size)	Still image: 2288 × 1712, 1600 × 1200, 1024 × 768, 640 × 480 Movie: 640 × 480, 320 × 240, 160 × 120, 800 × 600	P.65
11	Exposure compensation	–2.0 to +2.0	P.71
12	White balance	, , ,	P.76
13	Shooting date and time	Still image: '04.12.03.14:03 Movie: '04.12.03.14:50	—
14	Frame number	Still image: 9 Movie: 13	—

About the battery level

You can check the battery level as follows when you turn on the camera or while you are using the camera.

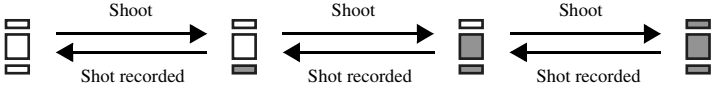
Lights (green)	Blinks (red)	"BATTERY EMPTY" appears.
Pictures can be taken.	The battery is running low. Charge the battery as soon as possible.	The battery is empty. Charge the battery.

Tip

The rate of battery consumption varies greatly depending on the operating conditions. In some cases, the battery may run out of power before it shows the low battery warning. Charge the battery in that case.

About the memory gauge

The memory gauge is lit while the still image is being stored onto the card. The indication of the memory gauge changes as follows according to the shooting conditions. When the memory gauge is fully lit, wait until the gauge goes off before you resume shooting.



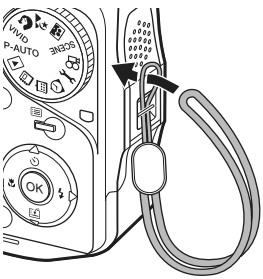
Before shooting
(Off)

1st shot
(Lights)

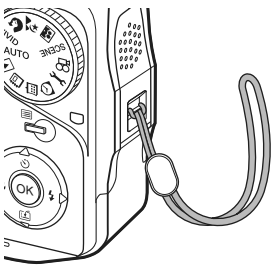
Cannot shoot
(Fully lit)
Wait until the gauge goes off before you resume shooting.

Chapter 2: Preparation

Attaching the strap



Thread the strap through the strap eyelet as shown.



Pull the strap tight, making sure that it is securely fastened and does not come loose.

Notes

- Do not swing the camera around by the strap or pull the strap with excessive force. This may cause the strap to break.
- Attach the strap correctly following the steps above. Olympus is not responsible for any damages if the strap is attached incorrectly and the camera is dropped.

About the battery and card

About the battery

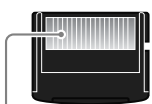
The Olympus LI-12B (supplied) or LI-10B lithium ion battery can be used with this camera. Do not use any other type of battery. The battery is not fully charged when the camera is purchased. Charge the battery using the supplied cradle before using the camera. For details, see “Charging the battery” (☞ page 33).

About the card

This camera stores image data on an xD-Picture Card (described as “card” in this manual). Images stored on the card can be erased or overwritten. The images on the card also can be transferred, processed, and edited on a computer.

Memory size
The card memory capacity (16MB/32MB/64MB/128MB/256MB/512MB) is printed.

Index area
Fill in the title of the contents here.



Contact area
The camera’s contacts for reading signals connect with this portion of the card. Never touch this portion.

Compatible cards

xD-Picture Card (16 to 512MB)

What is xD-Picture Card?

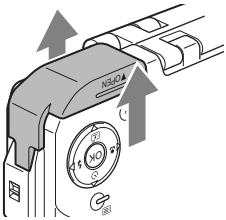
The xD-Picture Card is an miniature storage device developed specially for digital cameras. The card can be used with any xD-Picture Card compatible digital camera.

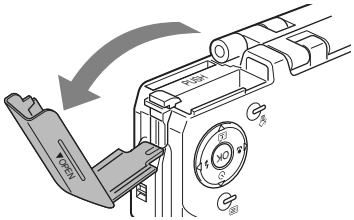
Note

This camera may not recognize a non-Olympus card or a card that was formatted on another device such as a computer. Before use, be sure to format the card on this camera. For details on how to format the card, see “Formatting a card (FORMAT)” (☞ page 172).

Inserting the battery and card

1 Open the battery/card cover.

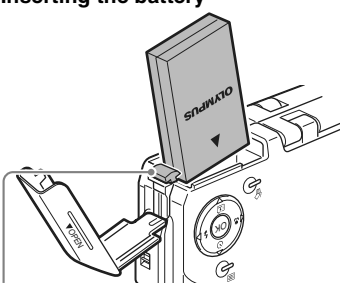




Grasp the cover on both sides and lift it up.

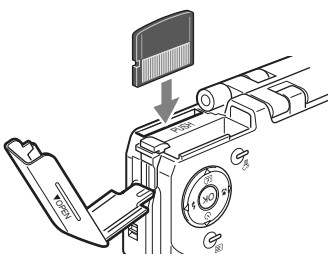
2 Insert the battery and card as shown below.

Inserting the battery



Battery lock lever
Press up the battery lock lever with the corner of the battery.

Inserting the card

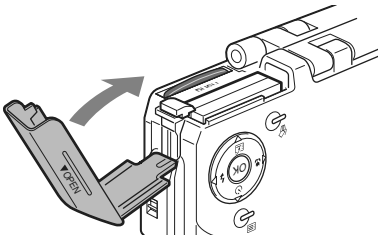


Push the card in until it clicks.

Notes

- Insert the card by pushing it straight in (not at an angle).
- If you insert the card with wrong orientation or at an angle, the contact area could be damaged or you may not be able to remove the card.
- Do not apply excessive force to the battery/card cover as it may be damaged.

3 Close the battery/card cover.

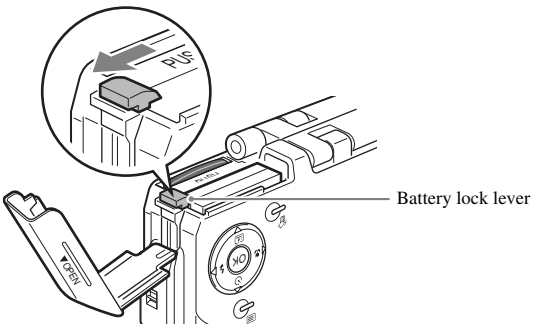


Notes

- The camera does not work if the battery/card cover is not closed properly.
- Do not open the battery/card cover, disconnect the AC adapter, or remove the camera from the cradle while the camera is operating or communicating with a computer. Such actions could destroy all the data on the card. Once destroyed, data cannot be restored.

To remove the battery

Press the battery lock lever in the direction of the arrow. The battery springs up so you can pull the battery out.

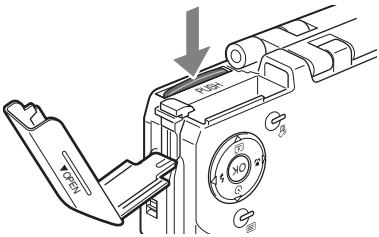


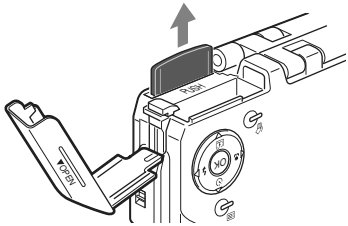
Note

If you leave the camera with the battery removed for about one day, the camera may restore the initial settings even if “ALL RESET” (the setting for saving your custom settings) is set to “OFF.”

To remove the card

Push the card in. The card springs up so you can pull the card out.





Note

If you release your finger quickly after pushing the card in or flick the card to remove it, the card may jump out. Remove the card with care.

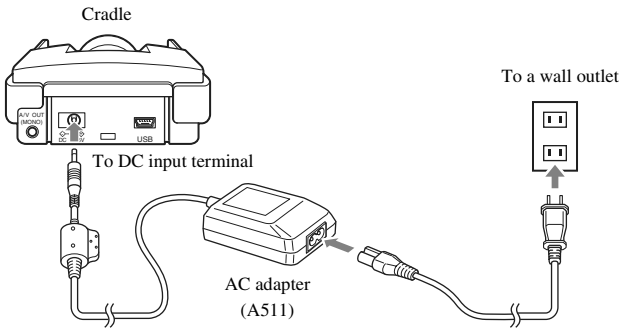
Charging the battery

The supplied lithium ion battery (LI-12B) is not fully charged when the camera is purchased. Set the camera on the supplied cradle to charge the battery before using the camera.

Tip

Make sure to turn off the camera by closing the multi-swing display or pressing the power switch before charging. Charging cannot be performed when the camera's power is on.

1 Connect the AC adapter to the cradle.

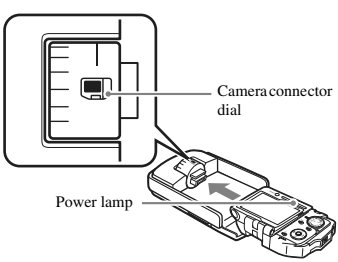


* The shape of the plug differs from country to country.

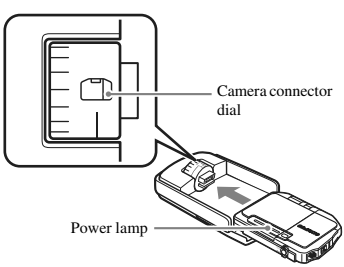
2 Set the camera on the cradle.

The mark on the camera connector dial indicates the orientation of the camera when the camera is set on the cradle. Select the mark by turning the camera connector dial according to the desired camera orientation.

Setting the camera with the multi-swing display opened



Setting the camera with the multi-swing display closed



3 Charging begins.

The power lamp slowly blinks during charging. The lamp goes off when charging is complete.

Notes

- You can also charge the battery using the separately sold battery charger (LI-10C). Use only the specified charger.
- The power lamp blinks rapidly if an error occurs during charging. If this happens, remove the battery from the camera and insert it again, or disconnect the AC adapter from the cradle and connect it again.
- If you hold the cradle upside down with the camera set, the camera may fall out of the cradle.
- Do not pick up by the camera only when it is set on the cradle.

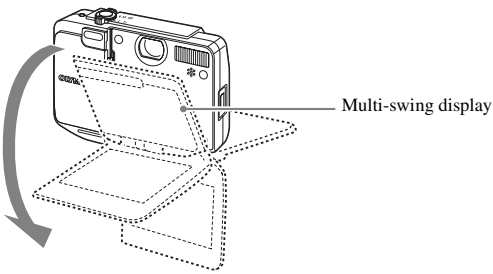
Tips

- We recommend using an AC adapter for time-consuming tasks such as image downloads to a computer, printing, or slide shows. For information on the supplied AC adapter, be sure to read “About the AC adapter” (☞ page 17).
- When using the AC adapter (100–240V) abroad, you may need a plug adapter to convert the plug to the shape of the electrical outlet. For suitable plug adapters, ask at your local electrical shop or travel agent.
- Charging a lithium ion battery before it is fully discharged does not shorten its life.

Power on/off

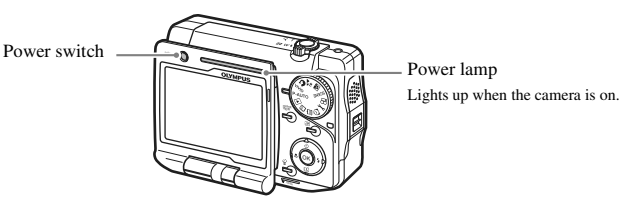
Opening the multi-swing display

The camera automatically turns on when the multi-swing display is opened. The camera turns off when the display is closed.



Pressing the power switch

When the camera is off with the multi-swing display opened, press the power switch to turn on the camera. The power lamp lights up. To turn off the camera, press the power switch again.

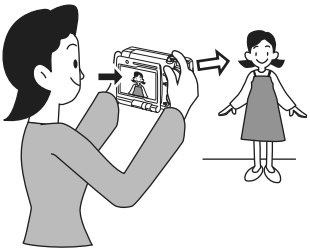


Tips

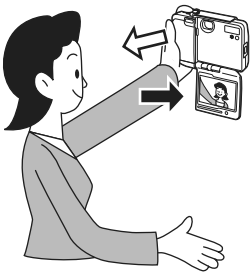
- If the camera is not operated for a certain period of time, the camera automatically enters the sleep mode (standby mode) to save battery power, and the power lamp goes off. To cancel the sleep mode, press any button. You can select how long the camera is on before it enters the sleep mode. For details, see "Changing the sleep timer duration (SLEEP)" (☞ page 153).
- When the camera has been turned on by opening the multi-swing display in the shooting mode, if no operation is made in the first 30 seconds, the camera may turn off automatically.
- The card check is performed when you turn on the camera. If any error message appears on the monitor, check "Error message list" (☞ page 223) to solve the problem.

How to use the multi-swing display

You can shoot at various angles by turning the multi-swing display. Determine the desired angle of the multi-swing display while watching the monitor, then take a picture.

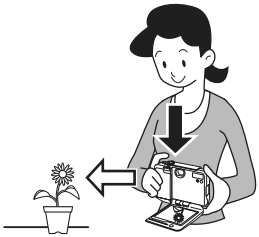


Turn the multi-swing display 360 degrees for normal shooting.



You can take a photo of yourself while viewing your image on the monitor.
Turn the mode dial to and the image on the monitor will be flipped so that you can check your image.

High-angle shooting
Suitable when taking a photo of something above your eye line.



Low-angle shooting
Suitable when taking a photo of something near the ground such as a child or dog.

Notes

- Do not apply excessive force to the multi-swing display. Doing so may cause malfunction.
- With low-angle shooting, sunlight may reflect off the monitor and get into the shot image.

Setting the date and time

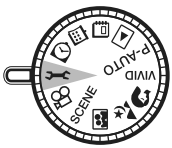
The date and time are not preset. If you set the date and time, it will be stored with shot images and available for printing images.

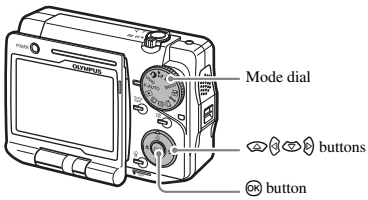
Tip

If the date and time are not set, "Y/M/D" appears every time you turn on the camera.

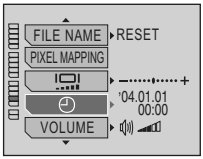
1 Turn the mode dial to .

The setup menu appears.



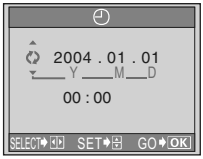


2 Press /▽ to select "," then press ▷ to enter the date and time settings.



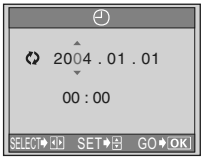
3 Select the date format.

While "↕" is selected, press ▲/▼ to select the date format from among "_Y_M_D," "_M_D_Y," and "_D_M_Y." The following steps show the procedure used when the date format is set to "_Y_M_D."



4 Press ▶ to go to the year field.

Press ▲/▼ to set the year. After setting the year, press ▶ to go to the month field. Repeat the above steps to set the time.



Tips

- The first two digits of the year are unchangeable.
- To return to the previous field, press ◀.
- The time is displayed in 24-hour format.
- The date and time settings will not be erased even if you turn off the camera.

5 Press ⓞⓚ to confirm the date and time settings.

The clock starts at the same time you press ⓞⓚ.

Note

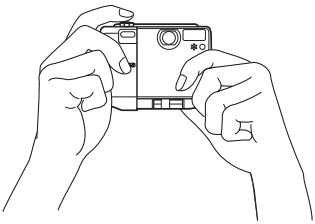
The date and time settings will be canceled if the camera is left with the battery removed for more than one day (under the standard Olympus testing conditions). If this occurs, set the date and time again. The date and time settings will be canceled earlier if the battery has been loaded for a short period of time.

Chapter 3: Basic shooting and playback

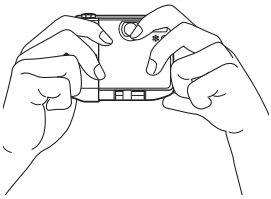
Holding the camera correctly

Hold the camera firmly with both hands, bracing your elbows against your side to prevent camera movement while taking a picture. Extending your arms may cause camera movement, which can cause blurred images.

Horizontal grip



Incorrect grip



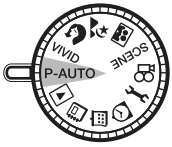
Be careful to keep your fingers and the strap away from the lens and flash.

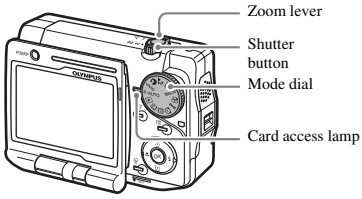
Easy shooting with P-AUTO (Program Auto) mode

Taking a picture using the P-AUTO (Program Auto) mode is easy because the camera will make the most suitable settings automatically.

Composing the image and taking a shot

1 Turn the mode dial to P-AUTO.



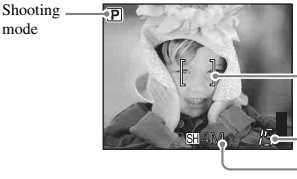


2 Aim the camera at the subject and compose the image.

Look at the image on the monitor and position the AF target mark on the subject.

Turn the zoom lever to W (▣) to zoom out and obtain a broader view (Wide angle).

Turn the zoom lever to T (🔍) to zoom in on a distant object (Telephoto).

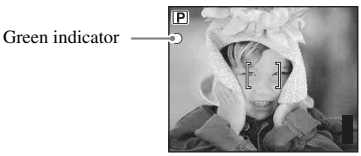


3 Press the shutter button gently. This is the half-press position of the shutter button.

The green indicator lights up when the focus and exposure are locked.

The green indicator blinks if the subject is not in focus. Recompose the picture, and hold down the shutter button until the green indicator lights up.

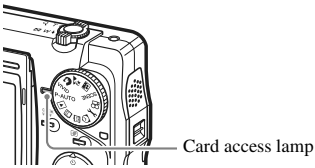
Half-press



4 When the green indicator lights up, press the shutter button all the way. This is the full-press position of the shutter button.

The picture is taken and the card access lamp blinks. The shot image is stored onto the card.

Full-press



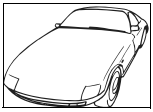
Note

Do not open the battery/card cover while the card access lamp is blinking. The image being written may not be stored or the stored image data may be corrupted.

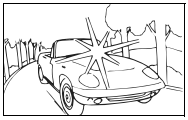
Subjects that are difficult to focus on using the AF (Auto Focus)

This camera's auto focus feature brings the subject into focus automatically. However, under certain conditions, the auto focus may not function effectively. Try the following methods if the subject is difficult to focus on.

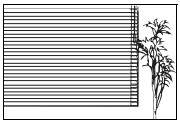
Difficult to focus subjects



Subject with low contrast
Focus on an object with high contrast at the same distance as the intended subject (Focus Lock), recompose your shot, then take the picture.

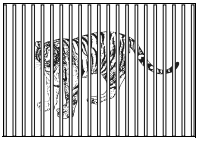


Subject with an extremely bright area in the center of the frame
Focus on an object with high contrast at the same distance as the intended subject (Focus Lock), recompose your shot, then take the picture.



Subject without vertical lines
Hold the camera vertically and lock the focus, return the camera to the horizontal position, then take the picture.

When the subject is not focused even if the green indicator on the monitor is lit



Subjects at different distances
When the image is blurred even when the green indicator on the monitor is lit, focus on another object at the same distance as the intended subject (Focus Lock), recompose your shot, then take the picture.

Fast-moving subject
Focus on another object at the same distance as the intended subject (Focus Lock) in advance, recompose your shot, then take the picture.

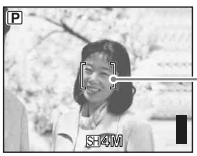
Tip

For details, see "Recomposing the shot after locking the focus (Focus Lock)" (☞ page 45).

Recomposing the shot after locking the focus (Focus Lock)

When the subject you want to focus on is out of the AF target mark (not in the center of the monitor), lock the focus and take the picture as explained below. This is called Focus Lock.

1 Position the AF target mark on the subject you want to focus on.



Tip

When shooting a hard-to-focus subject, point the camera at an object about the same distance away as the subject.

2 Press the shutter button halfway.

Tips

- The green indicator lights up when the focus and exposure are locked.
- When the green indicator blinks, the focus is not locked. Release your finger from the shutter button, re-position your subject, and press the shutter button halfway again.

3 Recompose your shot while keeping the shutter button pressed halfway.

4 Press the shutter button all the way to take a picture.

Recording movies

You can record movies as well as still images with this camera. To record a movie, set the shooting mode to (movie). View the monitor while shooting.

Tips

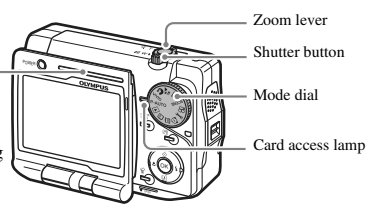
- The focus and optical zoom are locked while you are shooting a movie with sound.
- If you want to record a movie without sound, set "" to "OFF." For details, see "Recording sound with movies ()" (page 94).
- The camera can compensate for small camera movement which may occur while shooting movies. For details, see "Compensating for camera movement (IMAGE STABILIZER)" (page 92).

1 Turn the mode dial to .

The camera enters Movie Shooting mode.

Remaining recording time appears.

Position the AF target mark on the subject while looking at the image on the monitor.

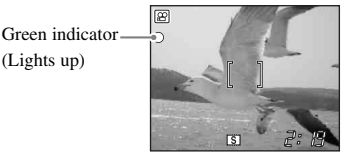


Tip

Turn the zoom lever to W () to zoom out and obtain a broader view (wide angle). Turn the zoom lever to T () to zoom in on a distant object (telephoto). For details, see "Zooming in (Telephoto) or out (Wide angle) (W/T)" (page 50).

2 Press the shutter button halfway (half-press).

The green indicator lights up when the focus and exposure are locked.



Tip

It is possible to keep auto focusing without locking the focus even while shooting a movie. For details, see "Setting the Auto Focus while shooting movies (FULLTIME AF)" (☞ page 93).

3 Press the shutter button all the way (full-press).

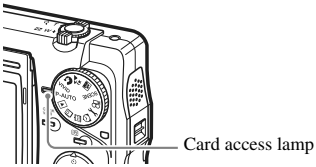
The recording starts. The power lamp blinks during recording.

Tip

During movie recording, the "🎥" indicator lights in red and the remaining recording time is displayed.

4 Press the shutter button again to stop recording.

While the card access lamp is blinking, the movie is being stored onto the card. You cannot shoot another movie if the card access lamp is blinking even if you have finished shooting.



Tips

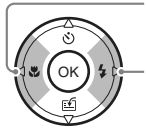
- When the remaining recording time is used up, recording stops automatically.
- It may take time to store a movie.

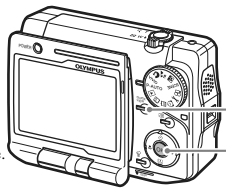
Viewing/Erasing the shot images

Easy playback with the QUICK VIEW button

Press QUICK VIEW after shooting.

The still image or movie you have just taken appears.





To play back a movie

Press OK after the movie image appears.

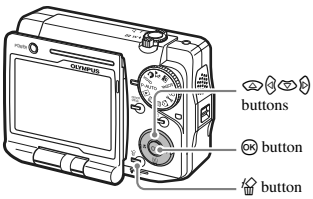
To return to shooting mode

Press QUICK VIEW again.

Tips

- You can also play back the shot images by turning the mode dial to ▶. For details on how to play back using the mode dial, see “Playing back still images” (☞ page 96) and “Playing back movies” (☞ page 97).
- To play back the recorded sound during single frame playback, press OK.
- During single frame playback, each turn of the zoom lever to T (🔍) magnifies the image 1.5 times, 2 times, 2.5 times, 3 times, 3.5 times, and 4 times in order. And each turn of the zoom lever to W (▪) displays 4 images, 9 images, 16 images, and 25 images at the same time, in order in the index display. For information on operating the index display, see “Displaying several images at once (Index playback)” (☞ page 102).

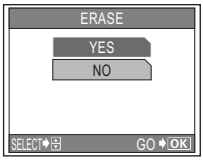
Erasing an image using the 🗑 button



1 **Display the image you want to erase, then press 🗑.**

The "ERASE" screen appears.

2 **Press ▲/▼ to select "YES."**



3 **Press OK.**

The selected image is erased.

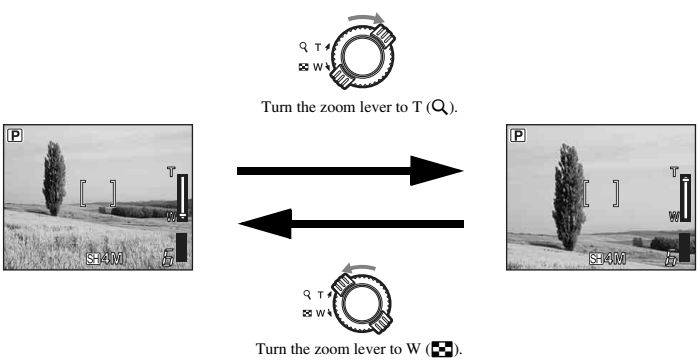
Chapter 4: Setting according to shooting conditions

Zooming in (Telephoto) or out (Wide angle) (W/T)

This camera has an optical zoom up to 2.8 × (40 to 112 mm (1.6" to 4.4"), 35mm film format equivalent.)

Tip

With the combined optical and digital zoom functions, images can be zoomed up to an approximate factor of 30. For details on the digital zoom, see “Enabling the digital zoom (DIGITAL ZOOM)” (☞ page 73).



Using the flash (ϟ) 👁 ϟ ⓐ

The camera is initially set to “AUTO” (auto-flash), but you can select from the following five flash modes according to the shooting conditions.

AUTO (default setting)

The flash fires automatically in low light or backlight conditions.

(ϟ) (soft flash)

The flash is weakened. This is effective when “AUTO” or “ϟ” (fill-in flash) is too strong and too bright.

👁 (red-eye reduction flash)

The light from the flash may make the subject’s eyes appear red in pictures taken in dark places. The red-eye reduction flash mode reduces this phenomenon by emitting pre-flashes before firing the regular flash.

Notes

- After the pre-flashes, it takes about one second until the picture is taken. Hold the camera firmly to avoid camera movement.
- Effectiveness may be limited if the subject is not looking directly at the pre-flashes, or if the shooting range is too far. Individual physical characteristics may also limit effectiveness.

ϟ (fill-in flash)

The flash fires regardless of the available light. This mode is useful for eliminating shadows on the subject’s face (such as shadows from tree leaves), in a backlight situation, or for correcting the color shift produced by artificial lighting (especially fluorescent light).

ⓐ (flash off)

The flash does not fire even in low-light conditions. Use this flash mode when you do not want to fire the flash even in a dark place. Also use this flash mode when you shoot night or sunset scenes where the flash is not effective.

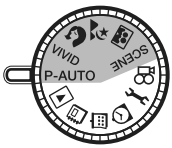
Note

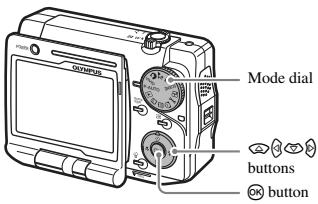
Since a slow shutter speed is automatically selected in low light situations, take care to avoid camera shaking. "📷" blinks when camera movement is likely to occur (☞ page 24).

Tips

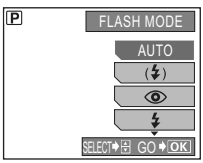
- If the mode dial's "SCENE" is set to "SUNSET," "DOCUMENTS," "CANDLE," or "AVAILABLE LIGHT PORTRAIT," the flash is automatically set to flash off.
- The flash is automatically set to flash off in movie shooting mode.

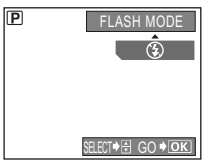
1 Turn the mode dial to P-AUTO, VIVID, 🙂, 🏔, 🌇, or SCENE.





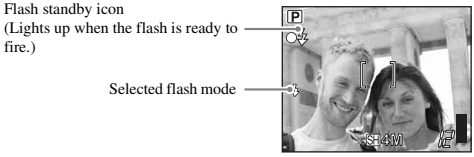
2 Press ▷ (ϟ) to display the flash setting screen.





3 Press ▲/▼ to select the flash mode, then press OK.

Shooting mode resumes with the chosen flash mode. The flash mode indication is displayed on the screen when a flash mode other than "AUTO" is set.



Flash effective range

The appropriate shooting distance when using the flash is shown below.

Shooting distance [in wide angle (W)]: approx. 0.3 - 4.3 m (1.0 - 14.1 ft.)

Shooting distance [in telephoto (T)]: approx. 0.3 - 2.5 m (1.0 - 8.2 ft.)

Flash charging time

"ϟ" blinks while the flash is charging.

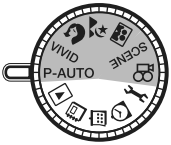
Taking close-up pictures (macro/super macro)

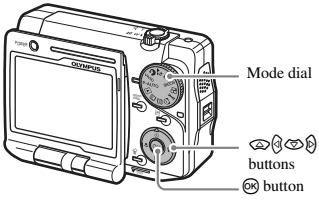
Use the macro mode when you want to shoot close to the subject, for example when taking a picture of a flower. The camera takes longer than usual for focusing when taking close-ups. In such cases, select the macro mode so that you can obtain faster focusing.

(macro)
For shooting from as close as approx. 30–50 cm (1.0–1.6 ft.) to a subject

(super macro)
For shooting from as close as approx. 3 cm (1.2") to a subject

1 Turn the mode dial to P-AUTO, VIVID, , , , SCENE, or .

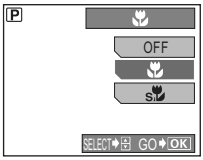




2 Press ( ) to display the macro setting screen.

3 Press ▲/▼ to select the macro setting, then press OK.

Shooting mode resumes with the chosen macro mode setting. When macro mode is set, appears in the monitor. When super macro mode is set, appears.



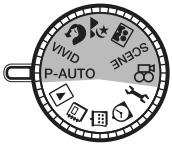
Notes

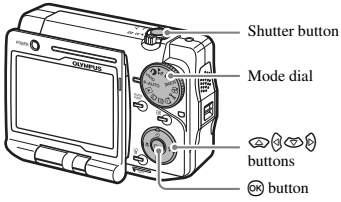
- If you use the flash in (macro) mode, shadows may be noticeable or the appropriate exposure may not be obtained.
- The zoom or flash cannot be used in (super macro) mode.

Using the self-timer

In the self-timer mode, the picture is taken approximately 12 seconds after the shutter button is pressed.

1 Turn the mode dial to P-AUTO, VIVID, , , , SCENE, or .

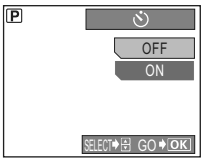


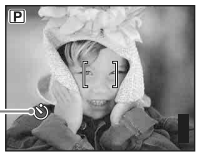


2 Press ▲ (⏲) to display the self-timer setting screen.

3 Press ▽ to select "ON," then press OK.

The self-timer is set and shooting mode resumes.





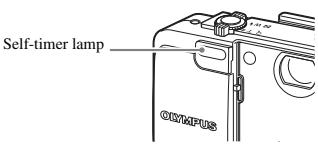
"⏲" appears when self-timer mode is set.

4 Press the shutter button.

The picture will be taken approximately 12 seconds after the shutter button is pressed.

Tips

- The self-timer lamp lights for about 10 seconds after the shutter button is pressed. Then the self-timer lamp blinks for two seconds before the picture is taken.
- The self-timer mode is automatically canceled after one shot.
- To cancel the self-timer, press ▽ (⏲).



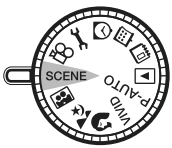
Note

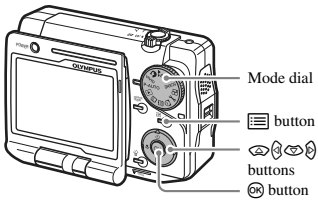
Do not operate the self-timer while standing directly in front of the camera lens. The focus and exposure will not be able to lock.

Selecting a scene mode according to the subject (SCENE SELECT)

This camera is preset with 17 types of scene mode selections. Settings such as tone, brightness, and shutter speed are pre-determined for each type of scene, which allows for easy shooting with just one press of the shutter button.

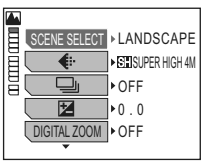
1 Turn the mode dial to SCENE.





2 Press ☰ to display the shooting menu.

Press ▲/▼ to select “SCENE SELECT.”



3 Press ▶ to enter the scene mode settings, then press ▲/▼ to select the scene mode.

The sample image of the selected scene mode appears.

Selected scene mode

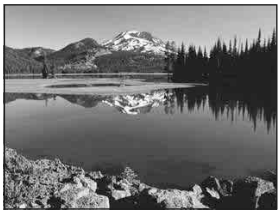
Then the explanation of the scene mode appears.

4 Press OK to confirm the selected scene mode.

The selected scene mode is assigned to the **SCENE** position of the mode dial. Press MENU to resume the shooting mode with the new settings.

The current scene mode appears.

LANDSCAPE (🏔)



For shooting landscapes.
Vivid reproduction of blues and greens.

LANDSCAPE+PORTRAIT (🏔)

For shooting both main subject and background.
Vivid reproduction of blues and greens.

NIGHT SCENE (🌃) (Can also be selected by turning the mode dial to 🌃.)

For shooting illuminated scenes in evening or at night.
Uses a slower shutter speed than in normal shooting.

The shutter speed will be slower. Take care to avoid camera shaking.

NIGHT+PORTRAIT ( )

For shooting both main subject and illuminated background in evening or at night.
Uses a slower shutter speed than in normal shooting.

The shutter speed will be slower. Take care to avoid camera shaking.

INDOOR ( )

For shooting both main subject and background indoors.
Background is reproduced clearly.

FIREWORKS ( )

Suitable for shooting fireworks at night.
Uses a slower shutter speed than in normal shooting.

The shutter speed will be slower. Take care to avoid camera shaking.

SUNSET ( )

For shooting setting/rising sun.
Vivid reproduction of reds and yellows.

A flash cannot be used. Take care to avoid camera shaking.

PORTRAIT ( ) (Can also be selected by turning the mode dial to .)

For taking a portrait-style shot.

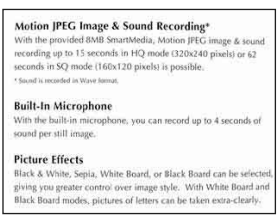
SELF PORTRAIT ( ) (Can also be selected by turning the mode dial to .)

Lets you take a picture of yourself while holding the camera.

CUISINE (🍴)

For still life photography.
Vividly reproduces colors of fruit, vegetables, flowers, etc.

DOCUMENTS (📄)


Motion JPEG Image & Sound Recording*
With the provided 8MB SmartMedia, Motion JPEG image & sound recording up to 15 seconds in HQ mode (320x240 pixels) or 62 seconds in SQ mode (160x120 pixels) is possible.
* Sound is recorded in Wave format.
Built-In Microphone
With the built-in microphone, you can record up to 4 seconds of sound per still image.
Picture Effects
Black & White, Sepia, White Board, or Black Board can be selected, giving you greater control over image style. With White Board and Black Board modes, pictures of letters can be taken extra-clearly.

For shooting documents, etc.
Increases contrast between letters and background.

A flash cannot be used. Take care to avoid camera shaking.

SPORT (🏃)

Captures fast-moving action without blurring.

BEACH & SNOW ( )

For shooting snow-capped mountains, landscapes, white sand sea-scapes, etc.

CANDLE ( )

For shooting under candlelight.
Warm colors are reproduced.

A flash cannot be used. Take care to avoid camera shaking.

AVAILABLE LIGHT PORTRAIT ( )

For shooting sensitive subjects in low light conditions without a flash.

A flash cannot be used. Take care to avoid camera shaking.

BEHIND GLASS ( )

For shooting a subject through glass.

VIVID ( ) (Can also be selected by turning the mode dial to VIVID.)

Vividly reproduce colors. Uses different way from P-AUTO (Program Auto.)

Selecting the record mode ( )

Your choice to store the image to the card in a particular record mode should be determined according to its purpose.

●Still image

Record mode	Resolution (image size)	Number of storable images without sound (with a 16 MB card)	Usage examples
SUPER HIGH 4M*	2288 × 1712	16	The number of pictures you can take is fewer and it takes time to store images. However, this record mode is suitable for the following: – large size prints such as A4 size (210 × 297 mm (8.3" × 11.7")) and letter size (216 × 279 mm (8.5" × 11.0")), and – image editing using a computer such as contrast adjustment and red-eye correction.
HIGH 2M	1600 × 1200	32	Suitable for postcard size prints. Also suitable for image editing on a computer such as superimposing letters on images and rotating images.
BASIC 1M	1024 × 768	58	The image quality is standard and the image size is small. However, you can take a larger number of pictures. Suitable for viewing images on a computer.
E-MAIL VGA	640 × 480	99	The image size is small and the image quality is standard. Useful when attaching pictures to e-mail.

* Default setting at the time of purchase

Tips

- The number of storable images listed in the table is approximate.
- The number of remaining pictures may change according to the subject or factors such as whether print reservations have been made.
- The number of remaining pictures sometimes does not change even when a picture is taken or a stored image is erased.
- Recording sound with still pictures reduces the number of pictures you can take.

Resolution (image size)

This refers to the number of pixels (horizontal × vertical) used when saving an image. If the image will be printed, higher resolutions (larger numbers) are recommended so that the image will be clearer. However, higher resolutions make the file size (amount of data) larger, so the number of pictures that can be saved will be fewer.

Resolution and image size on a computer screen

When a picture is transferred to a computer, the size of the picture on the computer screen varies depending on the computer's monitor setting. For instance, a picture taken in 1024 × 768 pixel resolution is the same size as the screen if you set the picture to 1× (100%) when the monitor setting is 1024 × 768. However, if the monitor setting is greater than 1024 × 768 (such as 1280 × 1024), the picture only takes up part of the screen.

●Movie (maximum continuous recording time)

The maximum continuous recording time per movie varies depending on the record mode.

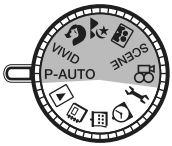
Record mode	Resolution (image size) (Frames per second)	Max. continuous recording time with sound (with a 16 MB card)	Max. continuous recording time without sound (with a 16 MB card)
FINE	640 × 480 (15 frames/sec.)	17 sec.	17 sec.
STANDARD*1	320 × 240 (30 frames/sec.)	34 sec.	35 sec.
EXTENDED	160 × 120 (15 frames/sec.)	3 min. 59 sec.	4 min. 42 sec.
SUPER FINE CLIP	800 × 600 (15 frames/sec.)	10 sec.*2	10 sec.*2

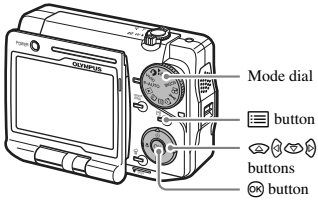
*1 Default setting at the time of purchase
*2 Fixed regardless of the card memory size

Tips

- The maximum continuous recording time listed in the table is approximate.
- The maximum continuous recording time sometimes does not change even when a picture is taken or a stored image is erased.

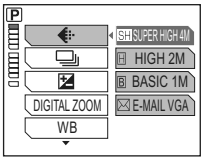
1 Turn the mode dial to P-AUTO, VIVID, , , , SCENE, or .





2 Press ☰ to select the shooting menu, then press ▲/▼ to select "◀:."

Press ▶ to enter the record mode settings, then press ▲/▼ to select the record mode.



The still image shooting menu is displayed.

3 Press OK to confirm the selected record mode.

The selected record mode is set. Press ☰ to start shooting with the new settings.

The selected record mode appears.

Tip

To save the selected record mode for the next time you use the camera, set "ALL RESET" to "OFF." For details, see "Saving the settings (ALL RESET)" (☞ page 148).

Sequential shooting ( )

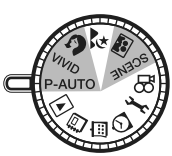
This function allows you to take pictures in rapid succession by keeping the shutter button pressed. (You can shoot approx. 7 frames continuously when the record mode is set to “SUPER HIGH 4M.”)

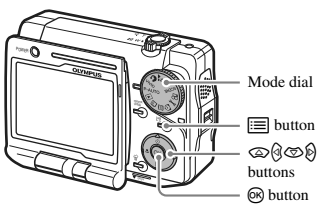
As you can choose the best picture from a series of sequential shots, this mode is useful when photographing a moving subject.

Tips

- The (recording sound with still images) function, panorama shooting, and 2 IN 1 shooting cannot be selected while the camera is in sequential shooting mode.
- The flash is automatically set to flash off.
- When using the self-timer, only 5 frames can be shot in sequential shooting mode.
- If the mode dial’s “SCENE” is set to “NIGHT SCENE,” “NIGHT+PORTRAIT,” “FIREWORKS,” “SUNSET,” “CANDLE,” or “AVAILABLE LIGHT PORTRAIT,” you cannot set “ ” (sequential shooting mode) to “ON.”
- Sequential shooting cannot be used in movie shooting mode.

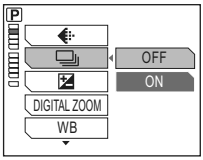
1 Turn the mode dial to P-AUTO, VIVID, , , or SCENE.





2 Press ☰ to select the shooting menu, then press ▲/▼ to select "🖵."

Press ▶ to enter the sequential shooting mode settings, then press ▲/▼ to select "ON."



3 Press OK.

The camera enters the sequential shooting mode. To exit the setting screen and resume shooting mode, press ☰.

"🖵" appears when the camera enters sequential shooting mode.

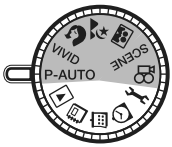
Tips

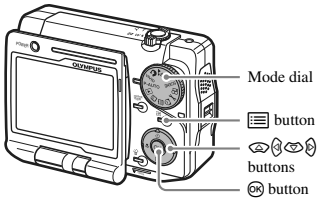
- Press the shutter button fully and keep it pressed. The camera will continue to take pictures until you release your finger from the shutter button.
- Focus and exposure are set with the first frame.

Adjusting the settings to suit a bright/dark subject ( )

If your subject is extremely bright or dark, or if there is a considerable difference between the brightness of the subject and the brightness of the background, you can adjust the brightness using the exposure compensation feature. You can adjust the brightness between +2.0 and –2.0 in 1/2 steps.

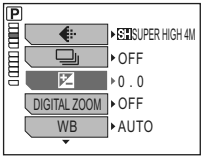
1 Turn the mode dial to P-AUTO, VIVID, , , , SCENE, or .





2 Press to display the shooting menu.

Press / to select “ .”



The still image shooting menu is displayed.

3 Press ▷ to enter the exposure compensation settings, then press △/▽ to select the exposure compensation value.

The gauge for adjusting exposure compensation appears on the monitor.

Adjusts towards "+" to give a brighter image.

Adjusts towards "–" to give a darker image.

4 Press OK.

The selected exposure compensation value is set. Press ☰ to start shooting with the new settings.

Exposure compensation value
If a value other than "±0" is set, it appears on the monitor. If "±0" is set, the exposure compensation value on the monitor disappears.

Tips

- Often bright subjects (such as snow) will turn out darker than their natural colors. Adjusting towards "+" makes these subjects closer to their real shades. For the same reason, adjust towards "–" when shooting dark subjects.
- We recommend that you return the exposure compensation value to "0.0" after taking a picture with an adjusted exposure compensation.
- To save the selected exposure compensation value for the next time you use the camera, set "ALL RESET" to "OFF." For details, see "Saving the settings (ALL RESET)" (☞ page 148).

Note

If the flash is used, the image brightness (exposure) may differ from the intended brightness (exposure).

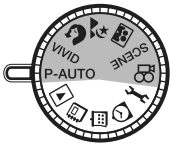
Enabling the digital zoom (DIGITAL ZOOM)

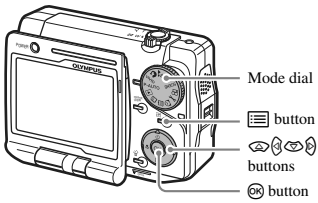
This camera is equipped with two zooms, a normal zoom (optical zoom) and a digital zoom. The optical zoom is operated simply by turning the zoom lever, but to use the digital zoom, "DIGITAL ZOOM" must be set to "ON." When using the digital zoom, the picture can be enlarged up to 11 times.

Tip

The digital zoom enlarges the picture by digitizing the image captured by the camera. The area in the middle of the image is cropped and magnified on the monitor. Pictures taken with the digital zoom may appear grainy as a result.

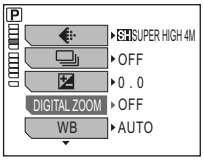
1 **Turn the mode dial to P-AUTO, VIVID, , , , SCENE, or .**





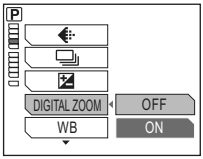
2 Press ☰ to display the shooting menu.

Press ▲/▼ to select "DIGITAL ZOOM."



The still image shooting menu is displayed.

3 Press ▶ to enter the digital zoom settings, then press ▲/▼ to select "ON."

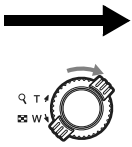


4 Press ⓞ.

The digital zoom function turns on. To exit the setting screen and resume shooting mode, press ☰.

Optical zoom

Amount of image magnification with the optical zoom lens. When the optical zoom is zoomed to maximum extension, the zoom function will switch to digital zoom.



Turn the zoom lever further towards T (🔍).

Digital zoom

When the digital zoom is enabled, a red range appears in the zoom bar.

Tips

- Camera movement is more likely to occur as the camera zooms in (telephoto). Hold the camera firmly to prevent camera movement.
- When the still image record mode is set to “SUPER HIGH 4M” or “HIGH 2M,” the maximum magnification of the digital zoom is 5.5 times.
- In movie recording mode, the maximum magnification of the digital zoom is 4 times regardless of the picture quality setting.
- To save the digital zoom setting for the next time you use the camera, set “ALL RESET” to “OFF.” For details, see “Saving the settings (ALL RESET)” (☞ page 148).

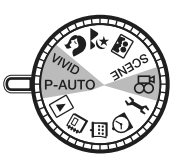
Selecting the white balance according to the surrounding lighting (WB)

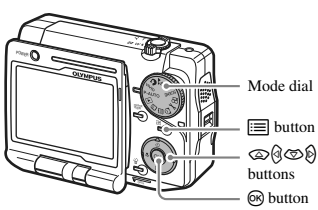
Different types of light (such as full daylight, sunset/sunrise, and artificial lighting) produce different shades of white when reflected on white paper. A person's eyes recognize white objects as being white regardless of the type of light, but with a digital camera the color needs to be adjusted to suit the lighting so that white objects appear white in the picture. This adjustment function is called "white balance."

Choose from one of the following white balance settings according to the type of light.

AUTO:	The camera automatically adjusts the white balance according to the type of light so that colors look natural.
(sunlight):	Suitable for taking pictures under a clear sky.
(cloudy):	Suitable for taking pictures under a cloudy sky.
(tungsten):	Suitable for taking pictures under tungsten lighting (incandescent).
(fluorescent):	Suitable for taking pictures under fluorescent lighting.

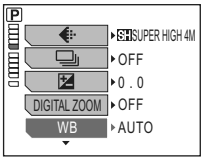
1 **Turn the mode dial to P-AUTO, VIVID or .**





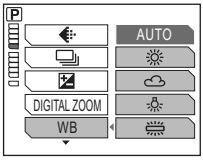
2 Press ☰ to display the shooting menu.

Press ▲/▼ to select "WB."



The still image shooting menu is displayed.

3 Press ▶ to enter the white balance settings, then press ▲/▼ to select the white balance.



4 Press OK to confirm the selected white balance.

The selected white balance is set. Press ☰ to start shooting with the new settings.

The current white balance appears.
(No indication appears when "AUTO" is selected.)

Tip

To save the selected white balance for the next time you use the camera, set "ALL RESET" to "OFF." For details, see "Saving the settings (ALL RESET)" (☞ page 148).

Notes on white balance

- The white balance feature may not be effective under some special lighting conditions, such as when multiple lights are used.
- If you set a white balance mode other than “AUTO,” play back the picture and check the colors on the monitor.
- When the flash is fired with a white balance setting other than “AUTO,” colors may appear different in the resulting picture from those in the image you see on the monitor.
- The white balance is automatically adjusted to the appropriate setting in P-AUTO mode, and the scene modes (except VIVID.)

When the brightness of the subject and background differ (METERING) ⊙

Taking backlit pictures may result in darkened foreground objects and faces. Using SPOT metering in such situations will ensure that the subject is clear regardless of the background light.

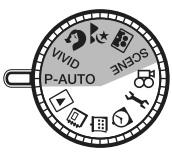
AUTO: Meters the center of the screen and the area around it separately to obtain the optimum exposure.

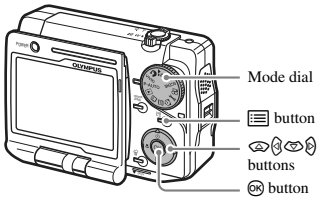
SPOT: Meters only the center of the screen to obtain the appropriate exposure for the subject in the center.

Tip

"METERING" cannot be set in movie shooting mode.

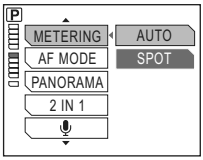
1 Turn the mode dial to P-AUTO, VIVID, , , , or SCENE.





2 Press ☰ to select the shooting menu, then press ▲/▼ to select "METERING."

Press ▶ to enter the "METERING" settings, then press ▲/▼ to select "SPOT."



3 Press OK.

"METERING" is set to "SPOT." Press ☰ to start shooting with the new settings.

"⊙" appears when "METERING" is set to "SPOT."
(No indication appears when "AUTO" is set.)

Tip

To save the selected metering method for the next time you use the camera, set "ALL RESET" to "OFF." For details, see "Saving the settings (ALL RESET)" (☞ page 148).

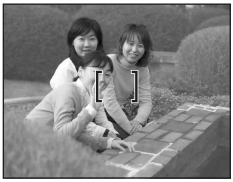
Changing the focus range (AF MODE)

If the subject is out of focus even when you shoot with the auto focus, you can narrow the auto-focusing area only to the AF target mark.

AUTO

Even if the subject is out of the AF target mark (not in the center of the monitor), the camera will find the subject and focus on it. (Hold the shutter button half-pressed until the green indicator lights up, and the AF target mark moves to the subject to be focused.)

SPOT

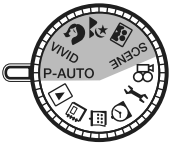


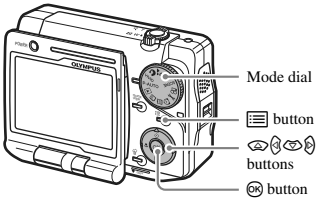
The camera always focuses on the AF target mark. When it is difficult to focus on the subject with auto focus, use this mode to lock the focus.

Tip

"AF MODE" cannot be set in movie shooting mode.

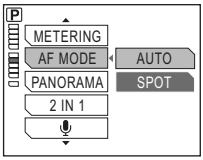
1 **Turn the mode dial to P-AUTO, VIVID, , , , or SCENE.**





2 Press ☰ to select the shooting menu, then press ▲/▼ to select "AF MODE."

Press ▶ to enter the "AF MODE" settings, then press ▲/▼ to select "SPOT."



3 Press OK.

"AF MODE" is set to "SPOT." Press ☰ to start shooting with the new settings.

Tip

To save the selected AF mode method for the next time you use the camera, set "ALL RESET" to "OFF." For details, see "Saving the settings (ALL RESET)" (☞ page 148).

Panorama shooting (PANORAMA)

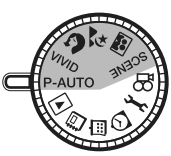
You can take advantage of the panorama shooting feature with the supplied Olympus xD-Picture Card.

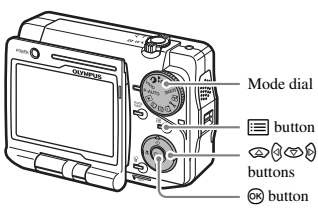
Panorama shooting lets you connect pictures with overlapping edges into a single panoramic picture on a computer using the OLYMPUS Master software contained on the supplied CD-ROM.

Notes

- The panorama mode is only available when using the Olympus xD-Picture Card.
- Your computer's memory may be insufficient if you use your computer to try to stitch together many panorama pictures shot when "" (record mode) is set to "SUPER HIGH 4M." We recommend to use an image size other than "SUPER HIGH 4M" for panorama shooting. See "Selecting the record mode ()" (page 65).

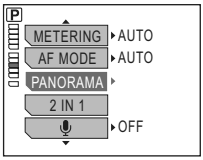
1 Turn the mode dial to P-AUTO, VIVID, , , , or SCENE.





2 Press ☰ to select the shooting menu, then press ▲/▼ to select "PANORAMA."

Press ▶ to enter the panorama settings.



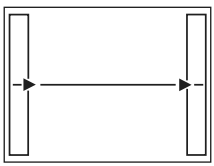
3 On the monitor, use the arrow pad to choose the direction you want to take the pictures in.

▶: Takes pictures from left to right.

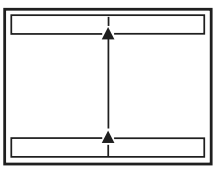
◀: Takes pictures from right to left.

▲: Takes pictures from bottom to top.

▼: Takes pictures from top to bottom.

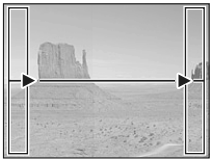


Takes pictures from left to right



Takes pictures from bottom to top

4 Take the first picture.

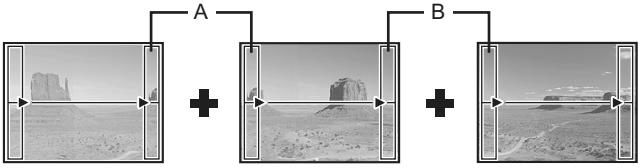


Tip

Focus and exposure are set by the first picture. Do not select an extremely bright subject (such as the sun) for the first picture.

5 Make sure that the edges of the pictures overlap, then take your pictures.

Use the frames at the edges of the screen as a guide when composing your pictures. The first and second shots are taken so that they overlap part A. The second and third pictures are taken so that they overlap part B. Remember the image in the frame so that you can compose the next picture.



First picture Second picture Third picture

Tips

- Panorama shooting is possible for up to 10 pictures.
- When you have taken 10 pictures, a warning mark "" is displayed.

6 **When you have finished taking pictures, press ⓞ to exit panorama shooting.**

7 **The composite photograph is created by combining the images on a computer using the OLYMPUS Master software contained on the supplied CD-ROM.**

Tip

Sound cannot be recorded during panorama shooting.

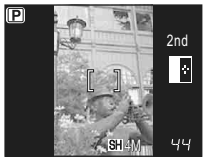
Stitching together two images (2 IN 1)

This function allows you to position two pictures taken in succession next to each other and store them as a single picture. You can combine two different subjects in one picture.

First picture

Positioned on left.

Second picture



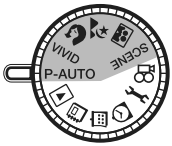
Positioned on right.

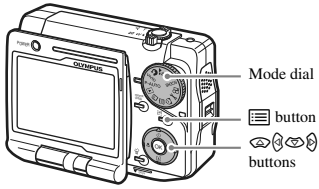
Picture during playback

Tip

"2 IN 1" cannot be set in movie shooting mode.

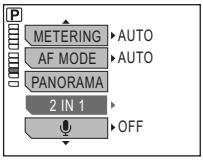
1 Turn the mode dial to P-AUTO, VIVID, , , , or SCENE.



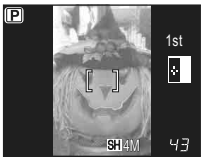


2 Press ☰ to select the shooting menu, then press ▲/▼ to select "2 IN 1."

Press ▶ to enter the "2 IN 1" settings.



3 Take the first shot using the monitor.



Tips

To cancel shooting in 2 IN 1 shooting mode, press ☰. The screen returns to the menu. If you press ☰ before taking the second picture, the first picture is erased.

4 Take the second shot.

The first shot and second shot are combined and stored onto the card as a single picture.

After storing is complete, the screen returns to the normal shooting screen.

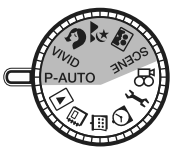
Tip

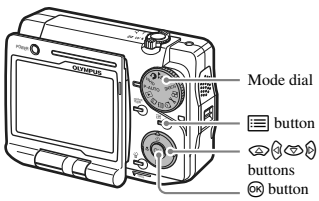
Sound cannot be recorded during 2 IN 1 mode.

Recording sound with still pictures (🎙)

This function lets you record sound when taking a picture. Recording begins about 0.5 seconds after pressing the shutter button and lasts for about 4 seconds. When this function is enabled, sound is automatically recorded after a picture is taken. This is useful for adding an audio comment to the picture.

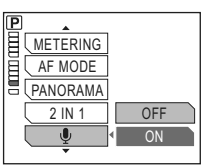
1 Turn the mode dial to P-AUTO, VIVID, 🙂, 🏔, 🎬, or SCENE.





2 Press ☰ to select the shooting menu, then press ▲/▼ to select "🎙."

Press ▶ to enter the recording sound with still pictures settings, then press ▲/▼ to select "ON."



3 Press ⓞ.

Recording sound with still pictures is set. To exit the setting screen and resume shooting mode, press ☰.

"🎙" appears when the recording sound with still pictures is set.

While recording sound

"[♪]" appears when a picture with sound is played back.

Tips

- The volume of the recorded sound can be adjusted during playback. "Setting the playback sound volume (VOLUME)" (☞ page 168).
- To save the recording sound with still pictures setting for the next time you use the camera, set "ALL RESET" to "OFF." For details, see "Saving the settings (ALL RESET)" (☞ page 148).

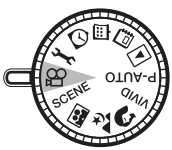
Notes

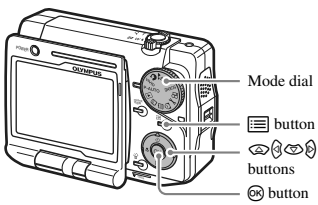
- If the source of the sound you are recording is more than 1 m (3.3 ft.) from the microphone, the recorded sound may not be very clear.
- You cannot shoot another picture while recording sound.
- Sound cannot be recorded during panorama or 2 IN 1 shooting.
- Recorded sound may include camera noise, such as button operation.
- Sound cannot be recorded if there is not enough space in the card.

Compensating for camera movement (IMAGE STABILIZER)

The image stabilizer function reduces blurry images from camera movement. This works by changing the image capturing area on the CCD according to the movement of the subject before recording the image. The picture shot using the image stabilizer function is slightly enlarged.

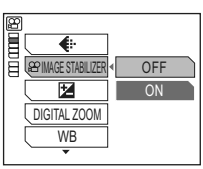
1 Turn the mode dial to 🎥.





2 Press ☰ to select the shooting menu, then press ▲/▼ to select "IMAGE STABILIZER."

Press ▶ to enter the "IMAGE STABILIZER" settings, then press ▲/▼ to select "ON."



3 Press OK.

The image stabilizer function is enabled. Press ☰ to start shooting a movie with the new settings.

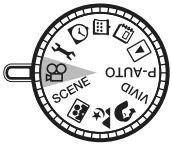
Tips

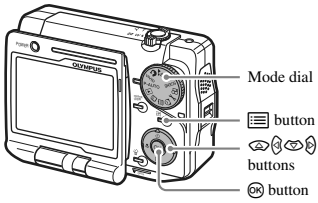
- To save the IMAGE STABILIZER setting for the next time you use the camera, set "ALL RESET" to "OFF." For details, see "Saving the settings (ALL RESET)" (☞ page 148).
- This feature may not compensate for large movement and some other movements of the subject.
- When you secure the camera (for example, by mounting the camera on a tripod or placing it on a stable and flat surface), set "IMAGE STABILIZER" to "OFF." If you fail to do so, the screen may move according to the subject movement.

Setting the Auto Focus while shooting movies (FULLTIME AF)

When "FULLTIME AF" is set to "ON," the camera is continually focusing on the subject while shooting a movie.

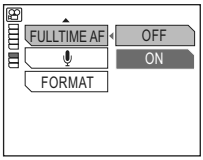
1 Turn the mode dial to 🎥.





2 Press MENU to select the shooting menu, then press ▲/▼ to select "FULLTIME AF."

Press ▶ to enter the "FULLTIME AF" settings, then press ▲/▼ to select "ON."



3 Press OK.

The FULLTIME AF feature is enabled. Press MENU to start shooting a movie with the new settings.

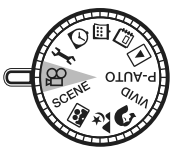
Tips

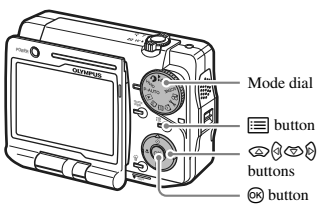
- "🎙" (recording sound with movies) cannot be selected while the FULLTIME AF feature is enabled.
- To save the "FULLTIME AF" setting for the next time you use the camera, set "ALL RESET" to "OFF." For details, see "Saving the settings (ALL RESET)" (☞ page 148).

Recording sound with movies (🎙)

This function lets you record the sound during movie shooting.

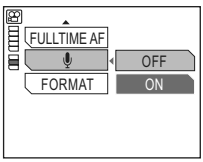
1 Turn the mode dial to 🎬.





2 Press ☰ to select the shooting menu, then press ▲/▼ to select "🎙."

Press ▶ to enter the recording sound with movies settings, then press ▲/▼ to select "ON."



3 Press OK.

Recording sound with movies is set. Press ☰ to start shooting a movie with the new settings.

"🎙" appears when recording sound with movies is set.

"[♪]" appears when a movie with sound is played back.

Tips

- When the 🎙 (recording sound with movies) function is set to on, the focus and optical zoom are locked during movie recording.
- "FULLTIME AF" cannot be selected while the 🎙 (recording sound with movies) function is enabled.
- To save the recording sound with movies setting for the next time you use the camera, set "ALL RESET" to "OFF." For details, see "Saving the settings (ALL RESET)" (☞ page 148).

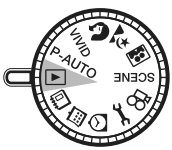
Chapter 5: Playing/Editing images

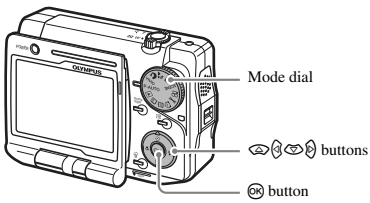
Playing back still images

Still pictures recorded on the card can be played back.

1 Turn the mode dial to ▶.

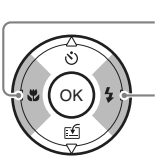
The last picture taken appears on the monitor.





2 Press ◁/▷ to select the picture you want to play back.

Information appears for about 3 seconds.



Displays the previous picture.

Displays the next picture.

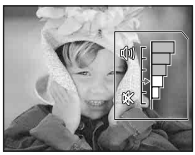
Note

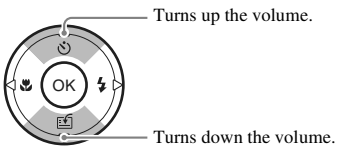
If you do not operate the camera for 3 minutes*, the camera turns off the monitor and enters the sleep mode. If you leave the camera for another 10 minutes without any operation, the camera automatically turns off. (The camera does not turn off while the power is supplied to the camera through the AC adapter.)

* The duration till the camera enters the sleep mode is changeable. For information on changing the duration, see "Changing the sleep timer duration (SLEEP)" (☞ page 153).

How to play back the recorded sound

When a picture with sound is displayed, the sound is reproduced by pressing ⓞ.





Tip

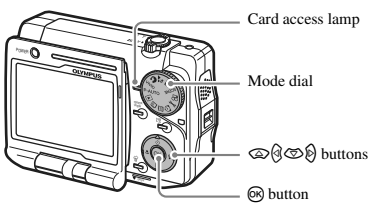
You can play back the picture you have just taken by pressing QUICK VIEW. For details, see "Easy playback with the QUICK VIEW button" (☞ page 48).

Playing back movies

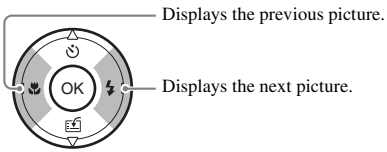
This section explains you how to play back recorded movies.

1 Turn the mode dial to ▶ after shooting a movie and the card access lamp goes off.

The last movie taken appears on the monitor.



2 Press ◁/▷ to select the movie you want to play back.



3 Press OK.

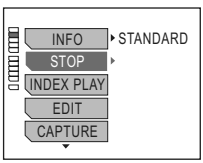
The movie is played back.

How to end a movie during playback

1 Press MENU to display the playback menu.

The movie being played back pauses.

Press ▽/△ to select "STOP."



2 Press ▷ to end movie playback.

The movie being played ends. The camera remains in playback mode.

Operations while playing back a movie

Volume up

Volume down

Hold down this button for 2× speed playback. Hold down during 2× speed playback for 20× speed.
To return to normal playback, release the button.

Pause

Press this button for reverse playback. Hold down to fast reverse at 2× speed.
Hold down during 2× speed playback for 20× speed.
To return to normal reverse playback, release the button.

Tip

The power lamp blinks during pause playback.

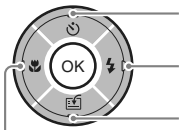
To play back movies frame by frame

This function lets you play the movie one frame at a time.

1 Press ⓞ during movie playback.

The movie is paused.

2 Select the desired frame.



Displays the top frame.

Displays the next frame.

Displays the last frame.

Displays the previous frame.

To resume normal movie playback from the current frame

Press ⓞ. Movie playback starts from the selected frame.

Tip

You can play back the picture you have just taken by pressing QUICK VIEW. For details, see "Easy playback with the QUICK VIEW button" (☞ page 48).

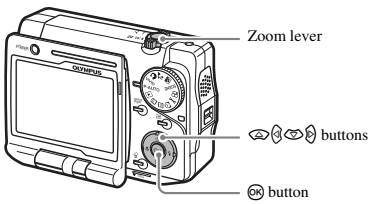
Enlarging pictures (Close-up playback)

A picture displayed on the monitor can be enlarged up to four times its original size.

1 Select a picture.

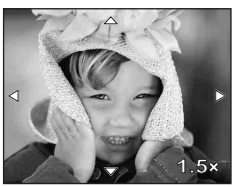
See “Playing back still images” (☞ page 96).

See “Playing back movies” (☞ page 97).



2 Turn the zoom lever to T (🔍).

The picture is enlarged to 1.5 times.



1.5 magnifications display

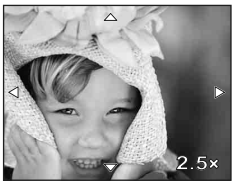
The picture is enlarged by 0.5 magnifications each time the zoom dial is turned to T (🔍) up to four magnifications.

2.5 magnifications display

Tip

To revert the picture to the original size (regardless of the degree of magnification), turn the zoom lever to W (▪).

3 Press ▲/◀/▼/▶ to scroll the enlarged picture up, left, down, and right (scroll function).



If you press ⓞ, the movie is played while the picture is in close-up (only for movies).

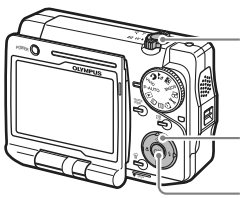
Displaying several images at once (Index playback)

You can display several pictures at once. This function lets you view several thumbnail pictures on the monitor at once.

1 Play back a picture.

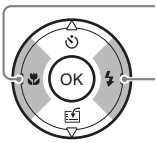
See “Playing back still images” (☞ page 96).

See “Playing back movies” (☞ page 97).



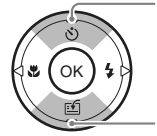
2 Turn the zoom lever to W (▪).

The index display (four pictures at once) appears. Select the image you want to play back by pressing ◁/▽/▷/△.



Returns to the previous image frame by frame. When you press this button while the upper-left image is selected, the display will return to the previous page.

Advances to the next image frame by frame. When you press this button while the lower-right image is selected, the display will advance to the next page.



Moves to the upper row. When you press this button while the top row is selected, the display will return to the previous page.

Moves to the lower row. When you press this button while the bottom row is selected, the display will advance to the next page.

3 Press ⓞⓚ.

The selected picture is displayed in a single frame.

To change the number of frames in the index display

Turn the zoom lever to W (▪) during playback. 4 frames appear in the index display.

Zoom lever

4 frame index display

Each turn of the zoom lever to W (▪) increases the number of indexed frames to 9, 16, and 25, in order.

9 frame index display

Each time you turn the zoom dial to T (🔍), the number of indexed frames decreases to 16, 9, 4, and 1, in order.

16 frame index display

Tip

No frame number appears in 25 frame index display.

Playback of the pictures as a slide show (🎞)

This function displays the images in order frame by frame. You can select from among the following 9 types of slide show playback effects.

NORMAL
Pictures on the card are played back one frame at a time.

SCROLL
Pictures scroll from right to left across the display.

FADER
The succeeding picture gradually emerges from out of the previous picture while the previous picture gradually fades away.

ZOOM DOWN
The scale of the current picture gradually decreases toward the center of the image. The succeeding picture gradually increases in scale from the center of the image.

ZOOM UP
The current picture is magnified by degree from its center and eventually disappears. The succeeding picture is displayed magnified at its center and returns to standard size by degree.

CHECKERBOARD
The next picture is displayed with a veil. The veil gradually disappears allowing the picture to become apparent.

BLINDS
The succeeding picture appears as if you open a blind on top of the current picture.

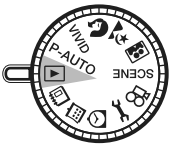
SWIVEL
The current picture and the succeeding picture are displayed side-by-side, scaled-down, and enlarged. While the current picture is scaled-down toward the left, the next picture is displayed to the right enlarged. (It looks like a cube is swiveling.)

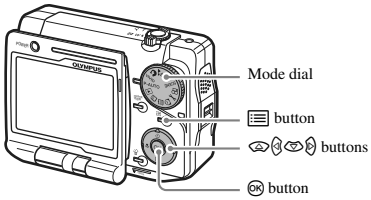
RANDOM
The camera randomly selects a slide show effect from among SCROLL, FADER, ZOOM DOWN, ZOOM UP, CHECKERBOARD, BLINDS, and SWIVEL and displays a different slide show effect per frame.

Tips

- The slide show function can be enabled even when the image is displayed in the index.
- If sound is recorded with the picture, the playback duration for one frame of the slide show will be approximately 5 seconds/frame. If sound is not recorded with the picture, the picture is played for approximately 3 seconds/frame.

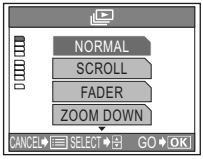
1 **Turn the mode dial to ▶.**





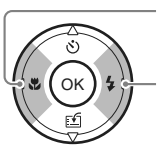
2 **Press ☰ to display the playback menu.**
Press ▲/▼ to select "🎞."

3 **Press ▶ to enter the slide show settings, then press ▲/▼ to select the desired slide show effect.**



4 Press ⓞ.

The slide show with the selected effect begins. During playback, if you want to view the previous frame or next frame, press ◀/▶.



Tip

The ◀ and ▶ buttons do not operate while a slide show is running in the index display.

5 Press ⓞ or ☰ to end the slide show.

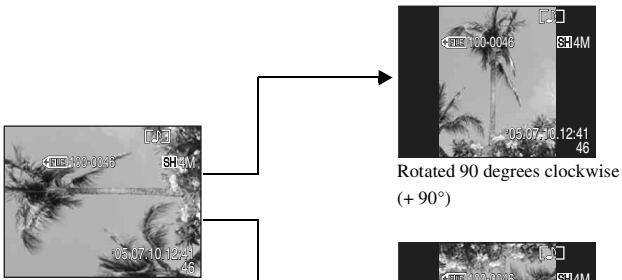
The screen returns to single frame display.

Tips

- We recommend that you use the AC adapter when running a slide show for a long period of time. If the battery is used, the camera will end the slide show after about 30 minutes and enter sleep mode.
- When running a slide show with the camera mounted on the cradle, set the camera on the cradle with the multi-swing display opened. If the camera is set with the display closed, it automatically enters clock mode and the slide show cannot be played back.

Rotating pictures (🔄)

Pictures taken when the camera is held vertically are played horizontally. This function lets you rotate images so that they are played back with the correct orientation. You can rotate an image 90 degrees clockwise or counterclockwise.

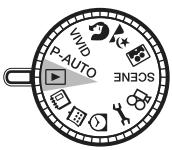


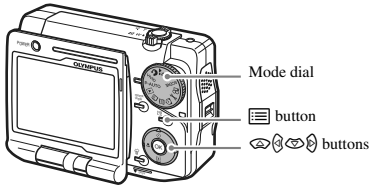
The shot image (0°)

Rotated 90 degrees clockwise (+ 90°)

Rotated 90 degrees counterclockwise (– 90°)

1 Turn the mode dial to ▶.

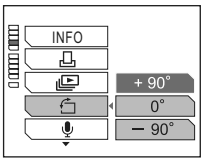




2 Play back the image you want to rotate.

3 Press ☰ to display the playback menu, then press ▲/▼ to select "↻."

Press ● to enter the picture rotation settings, then press ▲/▼ to select "+ 90°" or "– 90°."



Notes

- Movies cannot be rotated.
- Protected images cannot be rotated. Cancel the protection setting before rotating. For details, see "Protecting pictures (🔑)" (☞ page 126).
- Pictures saved as "read-only" using a computer cannot be rotated. You must cancel "read-only" using your computer.
- Image that are registered into albums cannot be rotated.

Switching the information display mode (INFO)

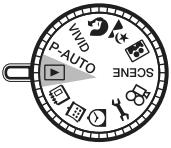
You can choose how much shooting information is displayed on the monitor.

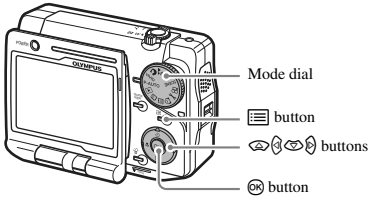
DETAIL **STANDARD** **NO INFO**

Tip

Information appears for about 3 seconds if you set “INFO” to “DETAIL” or “STANDARD.”

1 Turn the mode dial to ▶.

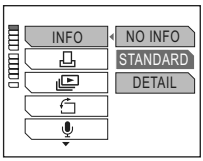




2 Play back the image on which you want to display information.

3 Press ☰ to display the playback menu, then press ▲/▼ to select "INFO."

Press ▶ to enter the information display settings, then press ▲/▼ to select "STANDARD," "DETAIL," or "NO INFO."



4 Press OK.

The information in the selected mode appears. Press ☰ to resume playback mode.

Tip

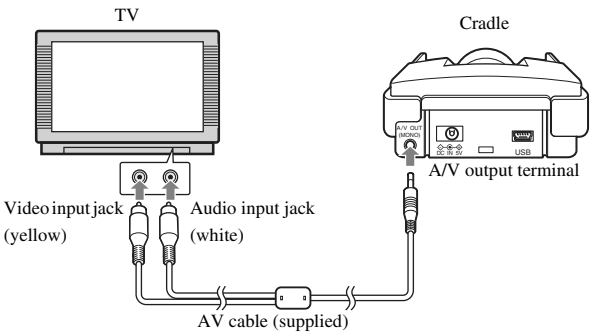
To save the selected information display mode for the next time you use the camera, set "ALL RESET" to "OFF." For details, see "Saving the settings (ALL RESET)" (☞ page 148).

Playing back on a TV

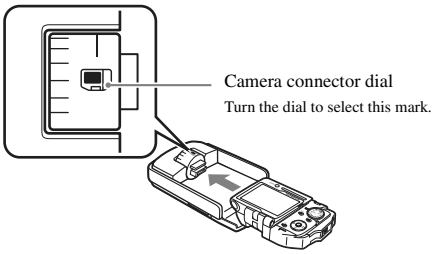
You can play back images on a TV. To play back on a TV, set the camera on the cradle and connect the supplied AV cable to the TV.

Connecting to a TV

1 Turn off the camera and TV, then connect the cradle and TV.



2 Set the camera on the cradle with the multi-swing display opened.



3 Turn the mode dial to ▶, then turn on the camera.

4 Turn on the TV and set the TV to the video input to which the cradle is connected.

For information on how to set the TV's video input, refer to your TV's instruction manual.

Tips

- The camera's monitor goes off while the AV cable is connected to the camera.
- For information on your TV audio/video input jacks, refer to your TV's instruction manual.
- Make sure that the camera's video output signal type is the same as the TV's video signal type. For details, see "Selecting the video signal type (VIDEO OUT)" (☞ page 170).
- If you hold the cradle upside down with the camera mounted, the camera may fall out of the cradle.
- Do not pick up only the camera when the camera is set on the cradle.

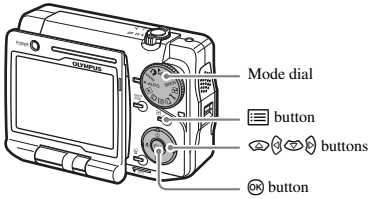
Choosing a starting frame for movie playback (INDEX PLAY)

You can display the movie in time frames so that you can select the frame from which you want to begin movie playback.

Tip

Index play can be set during movie playback or while the movie is paused.

1 Turn the mode dial to ▶.



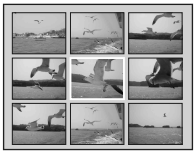
2 Play back a movie, or pause the movie.

"Playing back movies" (☞ page 97).

3 Press ☰ to display the playback menu, then press ▲/▼ to select "INDEX PLAY."

4 Press ▶ to enter the "INDEX PLAY" settings.

The movie being played is displayed in time frames in the index display. Select the desired frame by pressing ▲/◀/▼/▶.



9 frame index display

Tip

To change the number of pictures in the index display, turn the zoom lever to W (▪) or T (🔍).

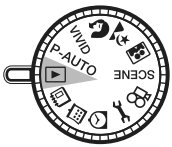
5 Press OK.

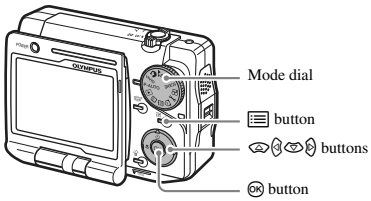
Movie playback starts from the selected frame.

Editing still pictures (EDIT)

This function allows you to edit still pictures, such as changing pictures into monochrome (black and white) or sepia color, or changing the picture size. The edited picture is stored as a new picture separate from the original picture.

1 Turn the mode dial to ▶.

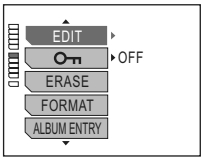




2 Play back the picture you want to edit.

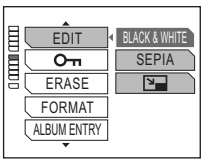
3 Press ☰ to display the playback menu.

Press ▲/▼ to select "EDIT."

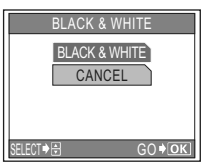


4 Press ▷ to enter the picture edit settings.

Press ▲/▼ to select the edit mode from among "BLACK & WHITE," "SEPIA," or "⊡" (resizing), then press OK.

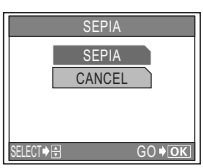


When "BLACK & WHITE" is selected



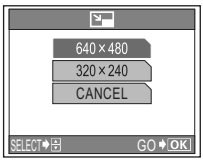
Press ▲/▼ to select "BLACK & WHITE," then press OK. Processing of the black and white picture begins. When the processing is complete, the created black and white picture appears.

When "SEPIA" is selected



Press ▲/▼ to select "SEPIA," then press OK. Processing of the sepia picture begins. When the processing is complete, the created sepia picture appears.

When "⧉" is selected



Press ◁/▷ to select "640 × 480" or "320 × 240," then press OK. Resizing of the picture begins. When the resizing is complete, the resized picture appears.

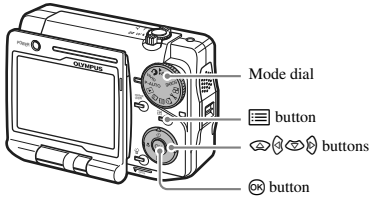
Tips

- When you resize a picture, you cannot select a size larger than the original picture. Select a smaller size.
- The created picture cannot be stored when there is insufficient card storage capacity. The original picture is left intact even in that case.

Recording sound to pictures (postrecording)

You can attach sounds (postrecording) to shot still pictures. You can also erase the sound already recorded and re-record the sound. The recording duration is approximately 4 seconds per frame.

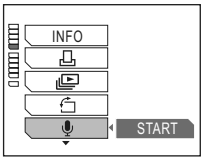
1 Turn the mode dial to ▶.



2 Playback the picture to which you will record sound.

3 Press ☰ to display the playback menu, then press ▲/▼ to select "🎙."

Press ▶ to enter the recording sound settings.



4 Press OK.

Sound recording begins. When recording ends, the screen returns to the playback menu.

Press ☰ to return to playback mode.

Recording sound

"[♪]" appears when a picture with sound is played back.

Notes

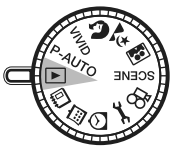
- Sound cannot be recorded to protected pictures. Cancel the protection setting before recording sound. For details, see "Protecting pictures (🔑)" (☞ page 126).
- Sound cannot be recorded to pictures which have been recorded to an album.
- Sound cannot be recorded when there is insufficient card storage capacity.
- Sound cannot be recorded to pictures saved as "read-only" using a computer. You must cancel "read-only" using your computer.
- If the source of the sound you are recording is more than 1 m (3.3 ft.) from the microphone, the recorded sound may not be very clear.
- When buttons are operated during sound recording, button operation sounds may be recorded.
- You cannot erase recorded sounds. If you want to erase sound of a picture, re-record the sound of the picture in a quiet place.

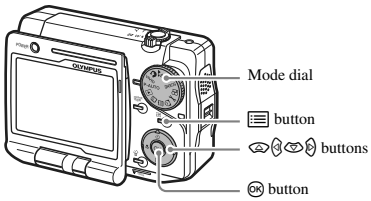
Editing movies

Editing movie images (EDIT)

You can edit movie images which have been shot. This function allows you to cut a portion of the movie images and save the cut movie to the card as a new file. You can also overwrite the original movie image.

1 Turn the mode dial to ▶.



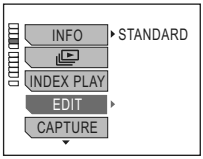


2 Select a movie image you want to edit.

"Playing back movies" (☞ page 97).

3 Press ☰ to display the playback menu.

Press ▲/▼ to select "EDIT."

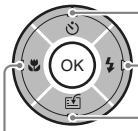


4 Press ▶ to enter movie editing.

The selected movie image is displayed as a single frame.

5 Select the frame you want as the first frame and press ⓞⓚ.

The selected frame is set as the first frame.



Jumps to the first frame.

Displays the next frame. While pressed, the movie is fast-forwarded.

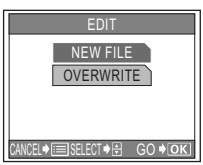
Jumps to the last frame.

Displays the previous frame. While pressed, the movie is rewound.

6 Select the frame you want as the last frame and press ⓞⓚ.

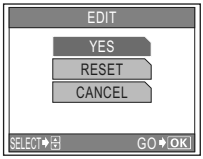
The selected frame is set as the last frame.

7 Press ▲/▼ to select “NEW FILE” or “OVERWRITE,” then press ⓞⓚ.



NEW FILE: Stores the edited movie to the card as a new movie.
OVERWRITE: The original movie is overwritten by the edited movie onto the card.

8 **Press ▲/▼ to select "YES," "RESET," or "CANCEL," then press OK.**



YES: Records the edited content to the card. When recording ends, the screen returns to the playback screen for the edited movie.
RESET: Resets the editing settings. Return to step 5.
CANCEL: Cancels the edited contents and returns to the playback menu.

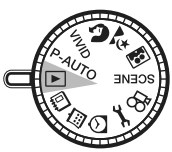
Capturing a movie frame as a still picture (CAPTURE)

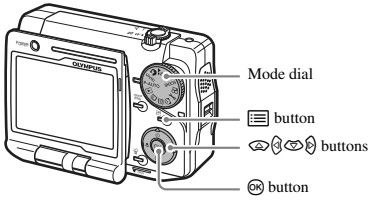
You can select and capture a movie frame and store it as a still picture onto a card.

Tip

You cannot capture a movie frame when "" (record mode) is set to "STANDARD" or "EXTENDED."

1 **Turn the mode dial to ▶.**



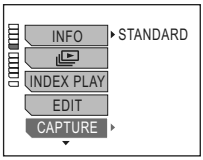


2 **Select the movie from which you want to capture a frame as a still picture.**

"Playing back movies" (☞ page 97).

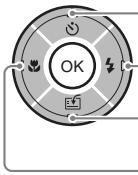
3 Press ▤ to display the playback menu.

Press ▲/▼ to select "CAPTURE."



4 Press ▶ to enter the "CAPTURE" settings.

The selected movie image is displayed as a single frame. Select the desired frame by pressing ▲/◀/▼/▶.



Jumps to the first frame.

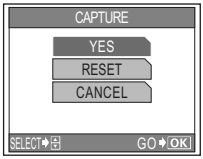
Displays the next frame. While pressed, the movie is fast-forwarded.

Jumps to the last frame.

Displays the previous frame. While pressed, the movie is rewound.

5 Press OK.

6 Press ▲/▼ to select "YES," "RESET," or "CANCEL," then press OK.



YES: Records the captured image onto the card. When recording ends, the still picture you created is played back.
RESET: Resets the "CAPTURE" settings. Return to step 4.
CANCEL: Cancels the captured image and returns to the playback mode menu.

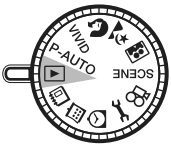
Notes

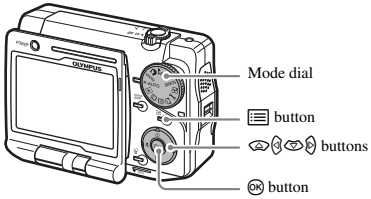
- A movie frame is captured at a resolution of 640 × 480 pixels in FINE mode and 800 × 600 pixels in SUPER FINE CLIP mode. The picture quality of a captured image may be lower than that of a still image at the same resolution.
- A movie frame cannot be captured when there is not enough space in the card.
- Make sure not to open the battery/card cover while the card access lamp is blinking. Doing so may destroy not only the stored images but also the card itself.

Creating an index (INDEX)

You can create a still picture index from a movie. The index is recorded to the card as still pictures.

1 Turn the mode dial to ▶.



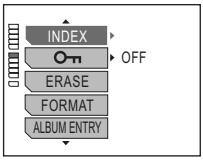


2 Select a movie you want to index.

"Playing back movies" (☞ page 97).

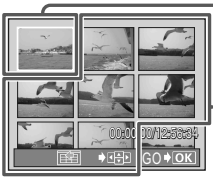
3 Press ☰ to display the playback menu.

Press ▲/▼ to select "INDEX."



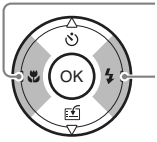
4 Press ▶ to enter the index creation settings.

The selected movie is indexed into 9 frames with the first frame selected.



The frame in this position is selected as the first index frame.
To change and set the content of the first index frame, press and hold ▶ to play back the movie until your desired frame appears.

While you hold ▶, these frames also advance in chronological order.



While pressed, the movie is rewound. Release to stop.

While pressed, the movie is played back. Release to stop.

Returns to the first frame.

Displays the last frame.

Tip

The frames, except for the first frame and the last frame which you can set after this step are determined automatically according to the first frame you choose.

5 Press ⓞ.

The last frame is selected.

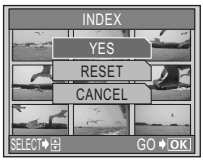
The frame in this position is selected as the last index frame.
To change and set the content of the last index frame, press and hold ⓢ to rewind the movie until your desired frame appears.

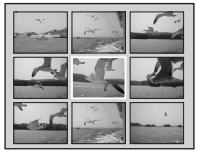
6 Press ⓞ.

All the index frames are set.

7 Press ⓢ/ⓣ to select "YES," "RESET," or "CANCEL," then press ⓞ.

- **YES:** Records the set contents to the card. When recording ends, the screen returns to the playback menu.
- **RESET:** Resets the index creation settings. Return to step 4.
- **CANCEL:** Cancels the set contents and returns to the playback menu.





Created index images

Tips

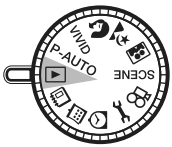
- The created indexes appear in 9 frame partitions. The number of frame partitions is unchangeable.
- An index cannot be created when there is not enough space in the card.

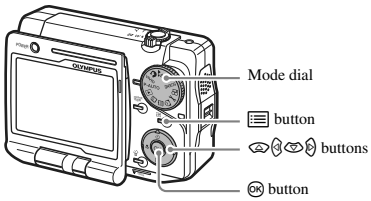
Protecting pictures (O-)

You can protect important pictures to avoid accidentally erasing them.

Protected pictures cannot be erased by the single-frame/all-frame erase function.

1 Turn the mode dial to ▶.

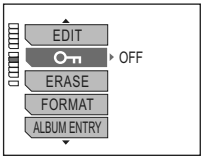




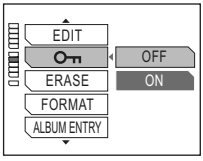
2 Play back the picture you want to protect.

3 Press ☰ to display the playback menu, then press ▲/▼ to select "O-."

Press OK to enter the protect settings.



4 Press ▼ to select "ON."



5 Press ⓞⓚ.

The selected picture is protected and the screen returns to playback mode.

"⊶" appears when the picture is protected.

Note

Formatting erases both unprotected and protected pictures.

Erasing pictures (ERASE/ALL ERASE)

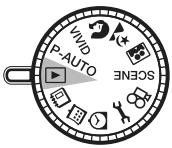
Pictures recorded on the card can be erased. You can select either "ERASE" to erase only the selected picture or "ALL ERASE" to erase all the pictures on the card.

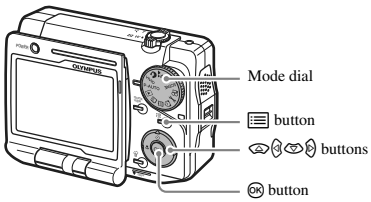
Notes

- Even if you erase all the pictures on the card, the pictures entered in albums will remain.
- Protected images cannot be erased. Cancel the protection setting before erasing a protected image. For details, see "Protecting pictures (⊶)" (☞ page 126).
- Once erased, pictures cannot be restored.

Erasing one frame/all frames

1 Turn the mode dial to ▶.



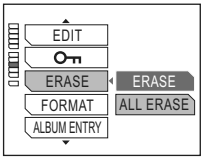


2 Play back the picture you want to erase.

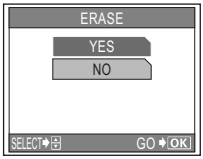
3 Press ☰ to display the playback menu, then press ▲/▼ to select "ERASE."

Press ▶ to enter the erase settings.

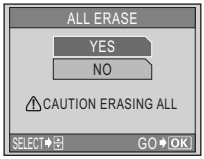
Press ▲/▼ to select "ERASE" or "ALL ERASE," then press OK.



4 Press ▲/▼ to select "YES."



When "ERASE" is selected.

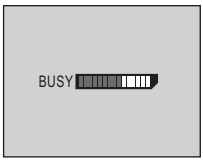


When "ALL ERASE" is selected.

5 Press OK.

When “ERASE” is selected, only the selected picture is erased.

When “ALL ERASE” is selected, all the images on the card are erased (except protected images and images registered to albums.)



Tip

You can also erase pictures using the button. For details on how to use the button, see “Erasing an image using the button” (page 49).

Setting images to store on a Dock&Done-compatible storage unit (STORE)

You can set whether or not to store shot still images and movies on a separately sold Dock&Done-compatible storage unit in advance.

Tip

For information on the storing method and settings, refer to the instruction manual supplied with your Dock&Done-compatible storage unit.

1 Turn the mode dial to ▶.

The last picture taken appears on the monitor.

2 Press MENU to display the playback menu.

Press ▲/▼ to select “STORE.”

3 Press ▷ to enter the storage settings.

Press △/▽ to select "STORE."

4 Press OK.

The setting of whether or not to store all the pictures on the card onto a Dock&Done-compatible storage unit is set.

If you select "NOT STORE" in step 3, "" appears ("" also appears on images which have been stored to the storage unit).

Note

Even if you select "NOT STORE," the images set to "NOT STORE" on the card will also be erased after the images are stored onto the Dock&Done-compatible storage unit if "ERASE STORED IMAGE" is set to "ON." For information on the "ERASE STORED IMAGE" settings, see "Erasing the image data automatically after storing them onto the storage unit (ERASE STORED IMAGE)" (☞ page 157).

Chapter 6: Viewing images in a calendar or album

Displaying pictures in a calendar

This camera allows you to display pictures in a calendar. When still pictures and movies are shot, the camera automatically sets the pictures to calendar according to the shooting date. The calendar can be displayed in three ways: as a one-month display, 12-month display, or multi-year display. Select the desired date, month, or year from each calendar display.

Tip

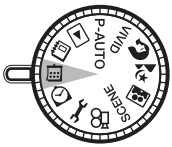
You need to set the date and time to obtain the calendar display with the correct date and time. If the date and time are not set, the default setting (e.g. 2004/01/01) will be applied to the calendar display. For details on setting the date and time, see "Setting the date and time" (☞ page 38).

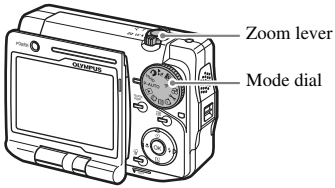
Switching the calendar display

You can switch the calendar display among one-month display, 12-month display, and Multi-year display.

1 Turn the mode dial to .

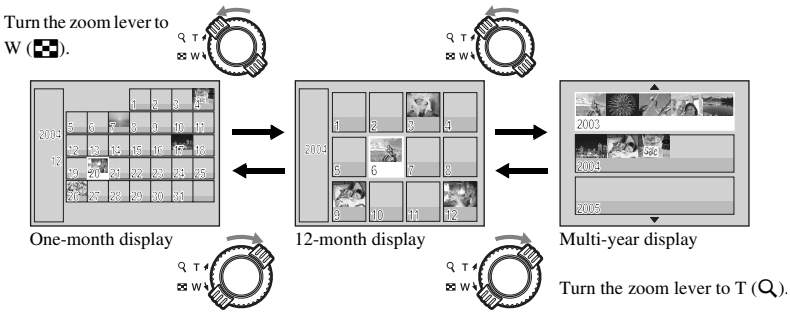
The one-month calendar display appears.





2 Change the calendar display.

Turn the zoom lever to change the calendar display.

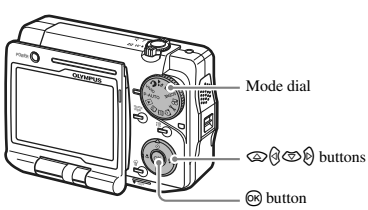


Playing back pictures from the calendar display

You can select a picture from the calendar display and view it in a single frame.

1 Display the calendar.

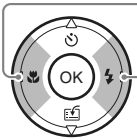
Press ▲/◀/▼/▶ to select the desired date, month, or year.



In the case of one-month calendar display

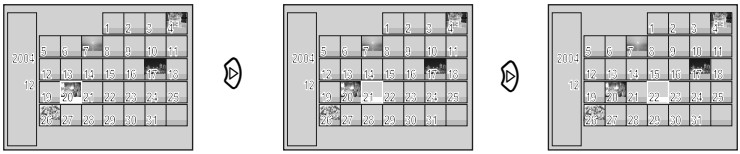
Moves to the same day of the preceding week.

Moves to the same day of the next week.



Moves to the preceding day. If the first date of the current month is selected, the preceding month is displayed.

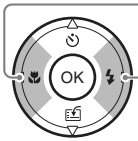
Moves to the next day. If the last date of the current month is selected, the next month is displayed.



In the case of 12-month calendar display

Moves to the row above. If a month between January and April is selected, a calendar for the previous year is displayed.

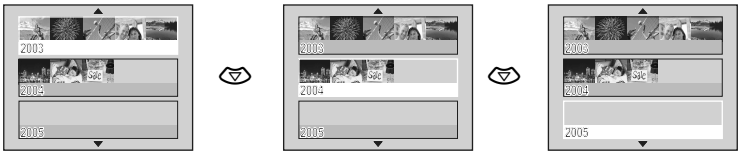
Moves to the row below. If a month between September and December is selected, a calendar for the next year is displayed.



Moves to the preceding month.

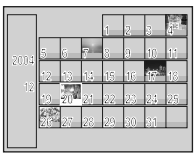
Moves to the next month.

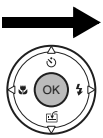
In the case of multi-year display



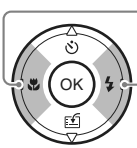
2 Press ⓞ to display the selected picture in a single frame.

To return to the calendar display, turn the zoom lever to W (▪).





Press ⓞ.



Displays the picture of the previous frame.

Displays the next picture.

When you select a picture from a one-month display

Displays pictures only from the selected date.

When you select a picture from a 12-month display

Displays pictures only from the selected month.

When you select a picture from a multi-year display

Displays pictures only from the selected year.

Tips

- Pictures played back from calendar mode cannot be enlarged. If you want to view the picture enlarged, select the picture in normal playback mode ▶ or album mode. For information on enlarging pictures in each mode, see “Enlarging pictures (Close-up playback)” (☞ page 101) and “Viewing the pictures in the albums” (☞ page 139).
- Pictures played back from calendar mode cannot be edited. If you want to edit pictures, select a picture in normal playback mode. For information on editing pictures, see “Editing still pictures (EDIT)” (☞ page 115) and “Editing movies” (☞ page 119).
- You can erase pictures and play slide shows from the calendar menu. It is possible to set “INFO” (information display), “” (slide show), “STOP” (stop playback), “INDEX PLAY,” “” (protect), “ERASE,” and “FORMAT” in the calendar menu.
- You can erase all the pictures registered to a particular date. Play back any picture from the date whose pictures you want to erase, then select “ERASE,” then “ALL ERASE” to erase all the pictures of the date.

Registering pictures into an album (ALBUM ENTRY)

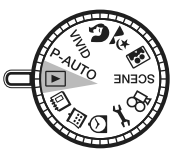
The pictures which you have taken can be grouped and organized into albums on the card. There are 12 albums and each album can store up to 100 pictures. Moreover, using the OLYMPUS Master software contained within the supplied CD-ROM, you can store pictures into the albums on the card from a computer. “Launching OLYMPUS Master” (☞ page 213).

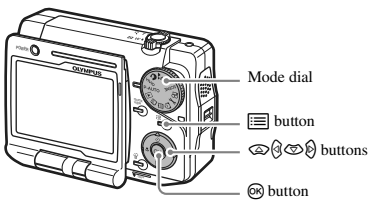
Tip

The number of pictures that can be registered to the albums varies according to the card memory capacity.

1 Turn the mode dial to ▶.

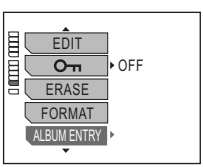
The last picture taken appears on the monitor.





2 Press ☰ to display the playback menu, then press ▲/▼ to select “ALBUM ENTRY.”

Press ▶ to enter the album entry settings.



3 Press ◀/▶ to select the album where you want to store the picture.

The first frame of the pictures entered in the album is displayed to represent this album. Nothing will be displayed for albums in which no pictures are entered.

4 Press OK.

The album where the picture is to be registered is confirmed and the picture selection screen appears.

Select “THIS IMAGE” or “SEL. IMAGE,” then press OK.

THIS IMAGE: You can register the currently displayed picture. Go to “When “THIS IMAGE” is selected” (☞ page 137).

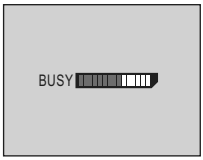
SEL. IMAGE: You can register another picture or multiple pictures. Go to “When “SEL. IMAGE” is selected” (☞ page 138).

When “THIS IMAGE” is selected

5 Press ▲/▼ to select “YES.”

6 Press ⓞ.

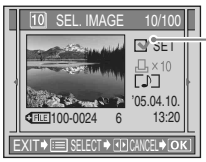
Registration of the picture begins. When the picture is registered to the album, the screen returns to normal playback mode.



When "SEL. IMAGE" is selected

5 Press ◁/▷ to select the pictures you want to store into the album, then press ⓞ.

The selected picture is shown by "✓" (a check mark). To select other pictures, repeat this step.



✓ mark
To cancel the picture, press ⓞ again.

Turn the zoom lever to W (▪) to switch to the index display.

Turn the zoom lever to T (🔍) to return to the single frame display.

The number of frame partitions in the index is 4 (across) × 3 (vertical) frames. The number of frame partitions is unchangeable.

You can choose multiple pictures at a time.

6 After selecting all of the pictures you want to store into the album, press ☰.

7 Press ▲/▼ to select "YES," then press OK.

Registration of the pictures begins. When the pictures are registered to the album, the screen returns to normal playback mode.

Tips

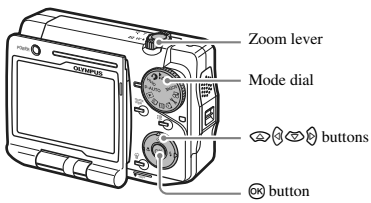
- The same picture cannot be registered to multiple albums.
- Formatting the card will erase all pictures registered to albums.

Viewing the pictures in the albums

This section explains how to play back the pictures stored in the albums.

1 Turn the mode dial to ▶.

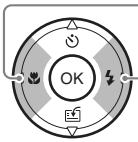
The album selection screen appears.



2 Press ◀/▶ to select the album.

3 Press ⓞ.

The first picture in the selected album is played back.



Displays the preceding picture in the album.

Displays the next picture in the album.

Turn the zoom lever to T (🔍) to enlarge the picture.

Turn the zoom lever to W (▦) to return the enlarged picture to its original single frame size.

Tips

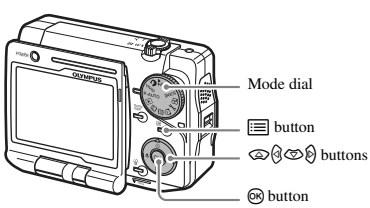
- The index display is unavailable.
- You can also select an album from the album menu. Press ☰, then select "SEL. ALBUM."

Reordering the pictures in an album (REARRANGE)

The frame numbers of pictures in the albums are allocated in the order in which the pictures are entered. You can reorder the pictures by changing these frame numbers. Reordering pictures will allow you to change the playback order for slide shows. You may allocate any picture as an album jacket by changing its frame number to "1."

1 Play back the album for which you want to reorder pictures.

"Viewing the pictures in the albums" (☞ page 139).

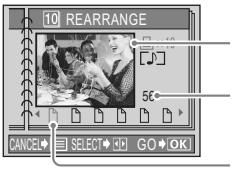


2 Press ☰ to display the album menu.

Press ▲/▼ to select "REARRANGE."

3 Press ▶ to enter the "REARRANGE" settings.

① Press ◀/▶ to select the picture you want to move.



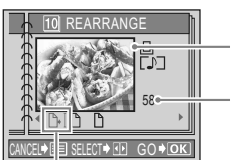
Selected picture

The frame number of the selected picture

The selected picture is bordered in red.

② Press OK to confirm the picture to be moved.

③ Press ◀/▶ to select the destination.



The picture before the destination is displayed.

The frame number of the destination

The picture will be moved to the position shown by the red cursor.

4 Press OK.

The images in the album are rearranged in the selected order.

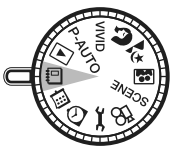
Releasing pictures from the albums (UNDO ENTRY)

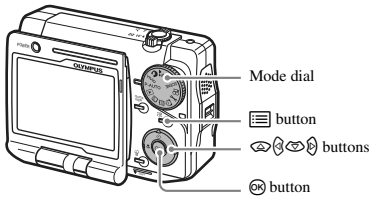
This section explains how to release pictures from the albums. The pictures released from the albums remain on the card.

Tip

The protected pictures are also released from the album. However, the picture remains on the card.

1 Turn the mode dial to .



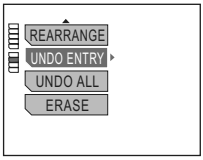


2 Play back a picture in the album.

See “Viewing the pictures in the albums” (☞ page 139).

3 Press to display the album menu.

Press ▲/▼ to select “UNDO ENTRY.”



4 Press ▷ to enter the picture release settings.

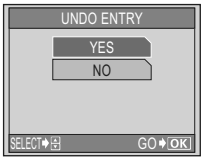
The picture selection screen appears. Select “THIS IMAGE” or “SEL. IMAGE,” then press OK.

THIS IMAGE: You can release the currently displayed picture. Go to “When “THIS IMAGE” is selected” (☞ page 143).

SEL. IMAGE: You can release another picture or multiple pictures. Go to “When “SEL. IMAGE” is selected” (☞ page 144).

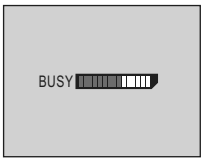
When “THIS IMAGE” is selected

5 Press △/▽ to select “YES.”



6 Press OK.

The process of releasing the picture from the album begins. When the process is complete, the screen returns to album playback mode.



When "SEL. IMAGE" is selected

5 Press ◀/▶ to select a picture you want to release, then press OK. To select other pictures, repeat this step.

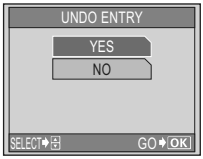
The selected picture is shown by "✓."
To cancel the picture, press OK again.

Tip

You can select pictures from only the current album.

6 Press MENU.

Press ▲/▼ to select "YES."



7 Press OK.

The process of releasing the selected picture(s) from the album begins. When the process is complete, the screen returns to album playback mode.

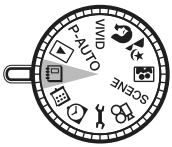
Releasing all the pictures from the selected album (UNDO ALL)

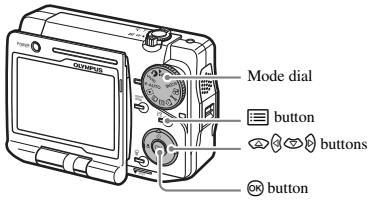
This section explains how to release all the pictures from the selected album. The pictures released from the album remain on the card.

Tip

If there are any protected pictures in the album, it is also released from the album. However, the pictures will remain on the card.

1 Turn the mode dial to .





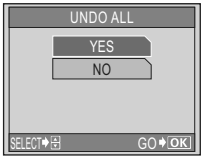
2 Play back a picture in the album.

See “Viewing the pictures in the albums” (☞ page 139).

3 Press to display the album menu.

Press ▲/▼ to select “UNDO ALL.”

4 Press ▶ to enter the “UNDO ALL” settings.



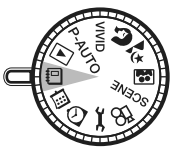
5 Press ▲/▼ to select "YES," then press OK.

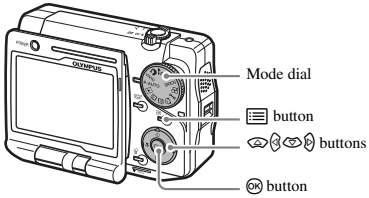
All the pictures are released from the album. When the process is complete, the screen returns to album playback mode.

Selecting and erasing a picture from an album (ERASE)

You can erase a picture from a selected album. The picture is erased from the card.

1 Turn the mode dial to .





2 Play back a picture in the album.

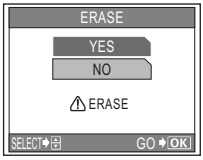
See "Viewing the pictures in the albums" (☞ page 139).

3 Press to display the album menu.

Press ▲/▼ to select "ERASE."

4 Press ▶ to enter the erase settings.

Press OK.



5 Press ◁/▷ to select "YES," then press OK.

The selected picture is erased. Then the screen returns to album playback mode.

Tips

- You can erase pictures and play slide shows from the album menu. For the features you can perform using the album menu, see "Album menu" in "Menu list" (☞ page 241).
- You cannot perform "ALL ERASE" from the album menu.

Chapter 7: Customizing your camera

Saving the settings (ALL RESET)

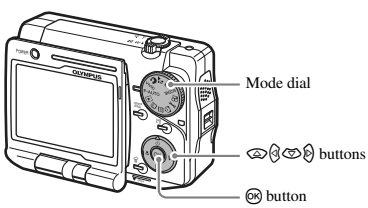
You can let the camera keep the changed settings even after you turn off the camera. For the settings of the functions this feature is applied to, see “Functions that resume their default settings when “ALL RESET” is set to “ON”” (☞ page 150).
The “ALL RESET” setting applies to all modes except setup mode. If “ALL RESET” is set to “ON” or “OFF” in either shooting or playback mode, the setting applies to both.

OFF: The settings made before the camera is turned off are saved.
ON: All settings are returned to the default settings when the camera is turned off.

Tip
“ALL RESET” is set to “OFF” at the time of purchase.

1 Turn the mode dial to 🔧.

The setup menu appears.

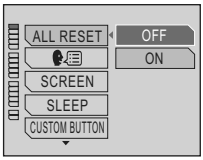


2 Press ▲/▼ to select “ALL RESET.”

Press ▶ to enter the “ALL RESET” settings.

3 Press ▲/▼ to select "OFF" or "ON," then press OK.

"ALL RESET" is set to "OFF" or "ON," then the screen returns to the setup menu.



Functions that resume their default settings when "ALL RESET" is set to "ON"

Function	Default setting	Ref. page
FLASH MODE	AUTO	P.51
(macro)/ (super macro)	OFF	P.54
(self-timer)	OFF	P.55
(record mode)	Still picture: SUPER HIGH 4M Movie: STANDARD	P.65
(sequential shooting)	OFF	P.69
(exposure compensation)	±0	P.71
DIGITAL ZOOM	OFF	P.73
WB (White Balance)	AUTO	P.76
METERING	AUTO	P.79
AF MODE	AUTO	P.81
(recording sound with still pictures)	OFF	P.90
IMAGE STABILIZER	OFF	P.92
FULLTIME AF	OFF	P.93
(recording sound with movies)	ON	P.94
INFO (information display)	STANDARD	P.110
(slide show)	NORMAL	P.105

Tips

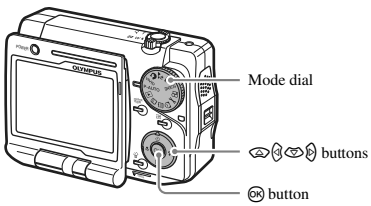
- Settings not listed above are always saved.
- For information on all the default settings for all the functions, see "Menu list" (☞ page 236).
- This camera has the "MODE RESET" function which resets the settings of all the functions while the camera's power is on. For details, see "Resetting the settings to default (MODE RESET)" (☞ page 171).

Selecting your language for on-screen display (🗣)

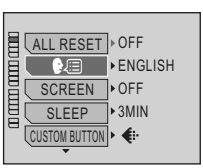
You can select the language in which the menus and error messages are displayed on the monitor.

1 **Turn the mode dial to 🔧.**

The setup menu appears.



2 **Press ▲/▼ to select "🗣."**



3 **Press ▶ to enter the language settings.**

Tips

- The available display languages differ depending on the region where the camera is sold.
- The available display languages can be added by updating the firmware. For details, refer to the Olympus website.

4 **Press ▲/▼ to select the desired language.**

5 **Press OK.**

The selected language is set and the screen returns to the setup menu.

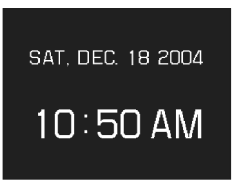
Changing the startup screen (SCREEN)

You can change the startup screen which appears on the monitor when the power is turned on. Choose from among the following three types of screens.

1

2

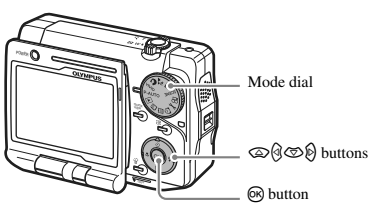
CLOCK



Either "DESIGNER'S" or "DIGITAL" appears depending on what was set in the clock menu. For details on the clock style, see "Choosing the clock style (CLOCK STYLE)" (☞ page 174).

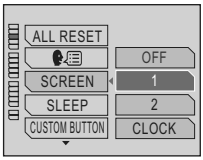
1 **Turn the mode dial to 🔧.**

The setup menu appears.



2 Press ▲/▼ to select "SCREEN."

Press ▶ to enter the startup screen settings.



3 Press ▲/▼ to select the desired startup screen.

Select "OFF" if no startup screen is needed.

4 Press OK.

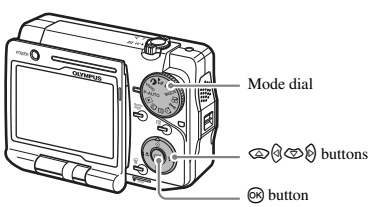
The selected startup screen is set and the screen returns to the setup menu.

Changing the sleep timer duration (SLEEP)

The camera enters sleep mode (standby mode) to save battery power after a specified period of time elapses without camera operation. The duration from the last camera operation till the camera enters sleep mode is changeable. "3MIN" is set at the time of purchase.

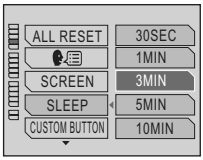
1 Turn the mode dial to 🔧.

The setup menu appears.



2 Press ▲/▼ to select "SLEEP."

Press ▶ to enter the sleep timer settings.



3 Press ▲/▼ to select the length of time before the camera enters sleep mode.

4 Press OK.

The selected sleep timer duration is set and the screen returns to the setup menu.

Tips

- To restore power from sleep mode, press any button of the camera. The mode before the camera enters sleep mode resumes. If you restore power by turning the mode dial, the camera enters the mode you select.
- When running the slide show with the battery as a power source, the camera automatically stops the slide show and enters sleep mode (standby mode) after 30 minutes.
- The camera does not enter sleep mode while the power is supplied to the camera through the AC adapter. When the camera is in clock mode, however, it enters sleep mode after 10 minutes.

Setting regularly used functions to the custom button (CUSTOM BUTTON)

You can select a desired function from among the functions listed below and set it to the custom button.

(record mode)

See "Selecting the record mode ( )" (☞ page 65).

(sequential shooting)

See "Sequential shooting ( )" (☞ page 69).

(exposure compensation)

See "Adjusting the settings to suit a bright/dark subject ( )" (☞ page 71).

DIGITAL ZOOM

See "Enabling the digital zoom (DIGITAL ZOOM)" (☞ page 73).

WB (White Balance)

See "Selecting the white balance according to the surrounding lighting (WB) " (☞ page 76).

METERING

See "When the brightness of the subject and background differ (METERING) " (☞ page 79).

AF MODE

See "Changing the focus range (AF MODE)" (☞ page 81).

FULLTIME AF

See "Setting the Auto Focus while shooting movies (FULLTIME AF)" (☞ page 93).

(recording sound with still pictures)

See "Recording sound with still pictures ( )" (☞ page 90).

(recording sound with movies)

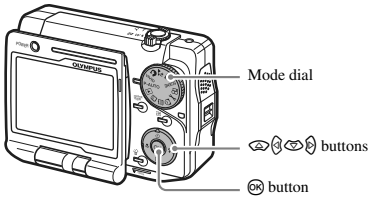
See "Recording sound with movies ( )" (☞ page 94).

IMAGE STABILIZER

See "Compensating for camera movement (IMAGE STABILIZER)" (☞ page 92).

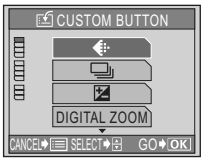
1 Turn the mode dial to .

The setup menu appears.



2 Press ▲/▼ to select "CUSTOM BUTTON."

Press ▶ to enter the custom button settings.



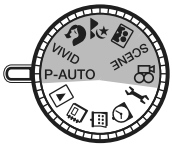
3 Press ▲/▼ to select the function you want to register to the custom button.

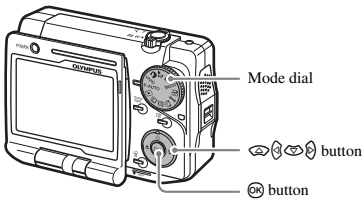
4 Press OK.

The selected function is set to the custom button, and the screen returns to the setup menu.

Using the custom button

1 **Turn the mode dial to P-AUTO, VIVID, , , , SCENE, or .**





Tip

Some functions registered to the custom button do not operate while the mode dial is set to , **SCENE**, or . To use the custom button, make sure that the registered function works while in the mode set by the mode dial.

2 **Press (▽) (▽) to display the "CUSTOM BUTTON" screen.**

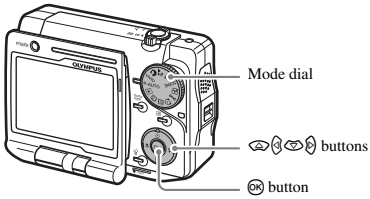
3 **Press ◁/▽ to select the desired function, then press OK.**

Erasing the image data automatically after storing them onto the storage unit (ERASE STORED IMAGE)

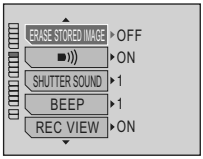
You can let the camera automatically erase the image from the card after you store the image onto your Dock&Done-compatible storage unit.

1 **Turn the mode dial to .**

The setup menu appears.

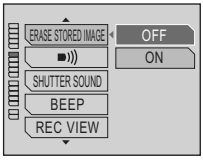


2 Press ▲/▼ to select "ERASE STORED IMAGE."



3 Press ▶ to enter the "ERASE STORED IMAGE" settings.

Press ▲/▼ to select "ON."



4 Press OK.

The "ERASE STORED IMAGE" function is enabled and the screen returns to the setup menu.

Note

If you set "ERASE STORED IMAGE" to "ON," even the images set to "NOT STORE" on the card will also be erased after the images are stored onto the Dock&Done-compatible storage unit. For information on the settings for a Dock&Done-compatible storage unit, see "Setting images to store on a Dock&Done-compatible storage unit (STORE)" (☞ page 129).

If you set "ERASE STORED IMAGE" to "ON," the following images are not erased:

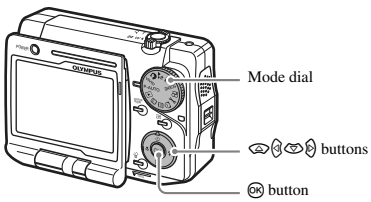
- images registered on the albums,
- images with DPOF print reservations,
- images with the "🔑" (protect) setting set to "ON," and
- images which have failed to be stored to the Dock&Done-compatible storage unit.

Setting the warning sound (■)))

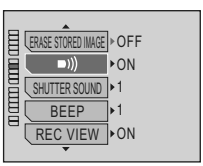
You can adjust the volume of, or turn off, the warning sound.

1 Turn the mode dial to 🔧.

The setup menu appears.

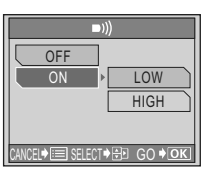


2 Press ▲/▼ to select "■)))" (warning sound).



3 Press ▶ to enter the warning sound settings.

Press ▲/▼ to select "ON."



Tip

The warning sound does not sound when "OFF" is selected.

4 Press ▷ to select the warning sound volume "LOW" or "HIGH."

The warning sound at the selected volume level sounds.

5 Press OK.

The volume level is set, and the screen returns to the setup menu.

Tip

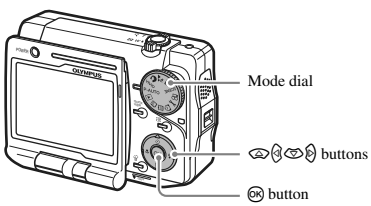
Even when "■))" (warning sound) is set to "OFF," the warning sound still sounds depending on the camera's condition.

Setting the shutter sound (SHUTTER SOUND)

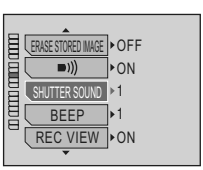
You can select from two different sounds to use as the shutter sound. You can also set the volume of each sound to "HIGH" or "LOW." To disable the shutter sound, select "OFF."

1 Turn the mode dial to 🔧.

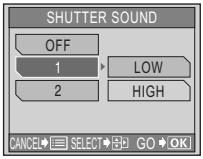
The setup menu appears.



2 Press △/▽ to select "SHUTTER SOUND."



3 Press ▷ to enter the shutter sound settings.



4 Press △/▽ to select "1" or "2."

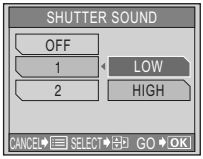
The selected shutter sound is reproduced.

Tip

The shutter sound does not sound when "OFF" is selected.

5 Press ▷ to select the shutter sound volume "LOW" or "HIGH."

The shutter sound at the selected volume level sounds.



6 Press OK.

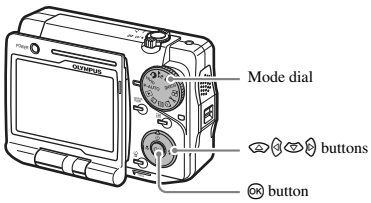
The selected shutter sound and volume level are set, and the screen returns to the setup menu.

Setting the operation sound (BEEP)

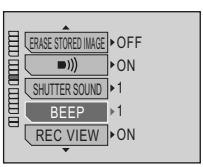
You can select from two different sounds when you operate the camera. You can also set the volume of each sound to “HIGH” or “LOW.” To disable the operation sound, select “OFF.”

1 Turn the mode dial to .

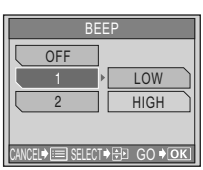
The setup menu appears.



2 Press /▽ to select “BEEP.”



3 Press ▷ to enter the operation sound settings.



4 Press ▲/▼ to select "1" or "2."

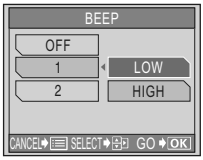
The selected operation sound is reproduced.

Tip

The operation sound does not sound when "OFF" is selected.

5 Press ▶ to select the operation sound volume "LOW" or "HIGH."

The operation sound at the selected volume level sounds.



6 Press OK.

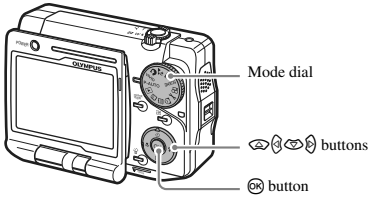
The selected operation sound and volume level are set, and the screen returns to the setup menu.

Checking the picture you have just taken (REC VIEW)

Rec View lets you check the picture you have just taken on the monitor. When this function is enabled, the picture just taken is played back automatically each time you take a picture.

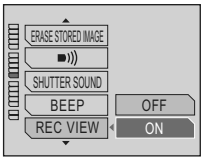
1 Turn the mode dial to 🔧.

The setup menu appears.



2 Press ▲/▼ to select "REC VIEW."

Press ▶ to enter the Rec View settings.



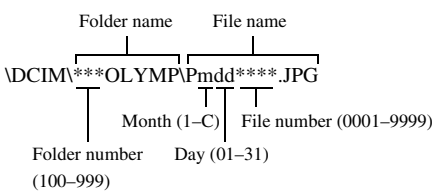
3 Press ▲/▼ to select "ON" or "OFF," then press OK.

Rec View is enabled or disabled and the screen returns to the setup menu.

Setting serial numbers for file names (FILE NAME)

There are two file naming methods, "RESET" or "AUTO." The default setting is "RESET." To set serial numbers for file names, select "AUTO."

A file name and folder name (for the folder containing the file) are created automatically for each recorded image. File and folder names are assigned as shown below, using a file number (0001–9999) and folder number (100–999), respectively.



- Months January through September are expressed by the numbers 1 through 9, October by the letter A, November by B, and December by C.

This function can be set to “RESET” or “AUTO” to determine how to assign file and folder numbers. Select the more convenient setting to transfer images to a computer.

RESET: This resets the file and folder numbers each time a picture card is inserted into the camera. The file number returns to “0001” and the folder number returns to “100.” This is useful for managing images on different picture cards.

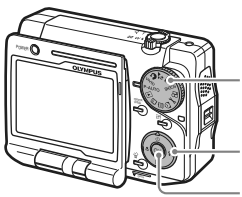
AUTO: The file and folder numbers are assigned sequentially regardless of the picture card used. This prevents duplicate file names when managing different picture cards. This is useful for managing all of your images with sequential numbers.

Notes

- When the file number exceeds “9999,” 1 is added to the folder number and the file number returns to “0001.”
- If the folder number reaches “999” and the file number reaches “9999,” no pictures can be taken even if the card is not full. Replace the card with a new card.

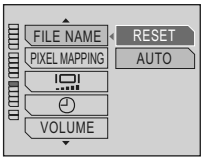
1 Turn the mode dial to .

The setup menu appears.



2 Press ▲/▼ to select "FILE NAME."

Press ▶ to enter the file name settings.



3 Press ▲/▼ to select "AUTO."

4 Press OK.

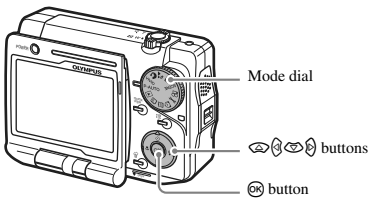
The file naming method is set to "AUTO" and the screen returns to the setup menu.

Adjusting the CCD and image processing functions (PIXEL MAPPING)

Pixel Mapping checks and adjusts the CCD and image processing function at the same time. The CCD and image processing function were adjusted at the factory and you do not need to perform Pixel Mapping immediately after purchase. This should be performed once a year. Wait for more than a minute after the camera is used for shooting or playback to allow for most effective Pixel Mapping performance.

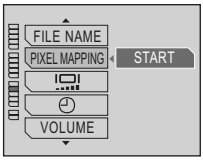
1 Turn the mode dial to 🔧.

The setup menu appears.



2 Press ▲/▼ to select "PIXEL MAPPING."

Press ▶ to enter Pixel Mapping mode.



3 Press OK to begin Pixel Mapping.

Pixel Mapping starts. When Pixel Mapping is complete, the screen returns to the setup menu.

Tip

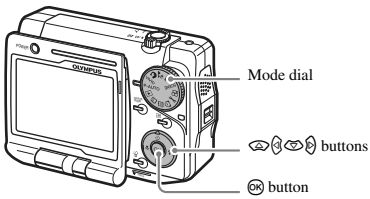
If you accidentally turn the camera off during Pixel Mapping, start again from step 1.

Adjusting the brightness of the monitor (!)

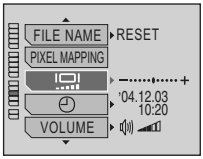
This function lets you adjust the brightness of the monitor.

1 Turn the mode dial to 🔧.

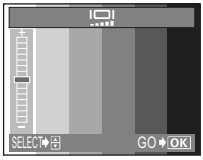
The setup menu appears.

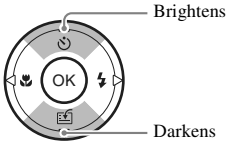


2 **Press ▲/▼ to select "🔊."**



3 **Press ▶ to enter the monitor brightness adjustment settings.**





4 **Press OK.**

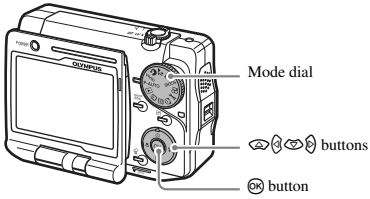
The adjusted monitor brightness is confirmed and the screen returns to the setup menu.

Setting the playback sound volume (VOLUME)

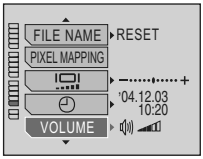
You can adjust the volume of the sound recorded with still pictures or movies when playing back still pictures or movies.

1 **Turn the mode dial to 🔧.**

The setup menu appears.

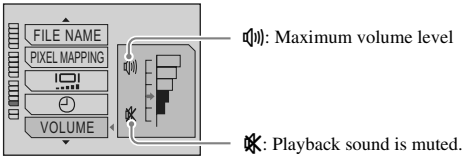


2 Press ▲/▼ to select “VOLUME.”



3 Press ▶ to enter the playback volume settings.

Press ▲/▼ to select the volume level.



4 Press OK.

The volume level for playback sound is set and the screen returns to the setup menu.

Selecting the video signal type (VIDEO OUT)

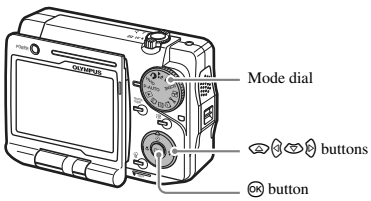
Select NTSC or PAL according to your TV video signal type. When you use the camera with a TV overseas, set the correct video signal type in accordance with the local system before connecting to the TV. If an incorrect video signal type is set, the output images will not appear properly.

Tip

When you use the camera with a TV overseas, check the video signal of the local system before connecting to the TV.
NTSC: North America, Japan, Taiwan, Korea
PAL: European countries, China

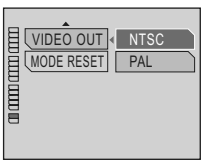
1 Turn the mode dial to .

The setup menu appears.



2 Press ▲/▼ to select "VIDEO OUT."

Press ▶ to enter the video signal type setting.



3 Press ▲/▼ to select "NTSC" or "PAL."

4 Press OK.

The video signal type is set and the screen returns to the setup menu.

Resetting the settings to default (MODE RESET)

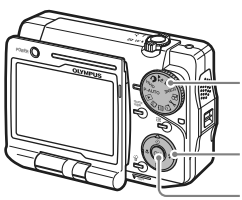
You can reset the settings changed for shooting and playback to default (the settings at the time of purchase).

Note

If you perform "MODE RESET," all the settings including the saved settings after setting "ALL RESET" to "OFF" will reset to default.

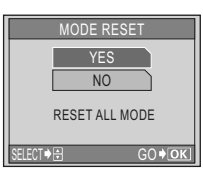
1 Turn the mode dial to .

The setup menu appears.



2 Press ▲/▼ to select "MODE RESET."

Press ▶ to enter Mode Reset.



3 Press ▲/▼ to select "YES."

4 Press OK.

All the camera's settings are reset to default and the screen returns to the setup menu.

Formatting a card (FORMAT)

A card can be prepared for optimal storing conditions for this camera by formatting. Cards not supplied with this camera or formatted on a computer or another camera must be formatted with this camera.

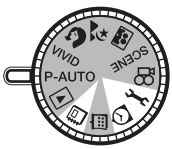
Notes

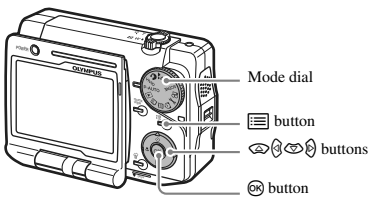
- All data stored on the card is erased when the card is formatted.
- All the images on the card including the images protected or registered to the albums are erased.

Tip

Formatting can be performed from the following menus: shooting menu, playback menu, and calendar menu.

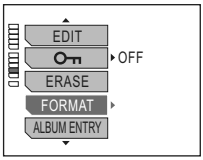
1 **Turn the mode dial to P-AUTO, VIVID, , , , SCENE, , , or .**





2 Press [MENU].

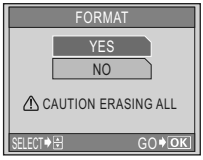
Press ▲/▼ to select "FORMAT."



The still image playback menu is displayed.

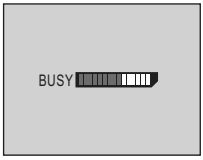
3 Press ▶ to enter the format settings.

Press ▲/▼ to select "YES."



4 Press [OK].

The camera starts formatting the card. When formatting is complete, the screen returns to the original mode.



Using various clock functions from the clock menu

This camera allows you to set the alarm and to select the style of the clock which is displayed in the monitor. The clock related functions can be set using the clock menu.

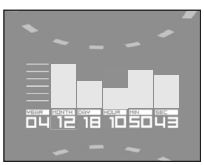
Tip

The date and time can also be set using the clock menu rather than using the setup menu. Display the clock menu referring to the steps below, then select "". For the rest of the steps to set the date and time, see "Setting the date and time" (page 38).

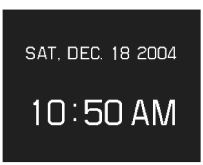
Choosing the clock style (CLOCK STYLE)

You can choose the style of the clock which appears on the monitor. Select the clock style from the following two choices:

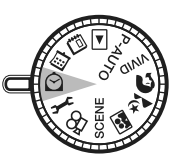
DESIGNER'S clock

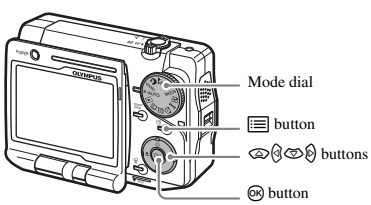


DIGITAL clock



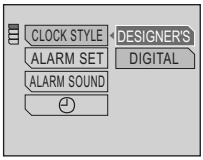
1 Turn the mode dial to .





2 Press ☰ to display the clock menu, then press ▲/▼ to select "CLOCK STYLE."

Press ▶ to enter the "CLOCK STYLE" settings.



3 Press ▲/▼ to select "DESIGNER'S" or "DIGITAL."

4 Press OK.

The selected clock style is set. Press ☰ and the clock of the selected style appears.

Tip

When the camera is in the clock mode and powered from the AC adapter, the camera enters the sleep mode after 10 minutes from the last operation of the camera. The camera enters the sleep mode after the set duration from the last operation of the camera while the power is supplied from the battery.

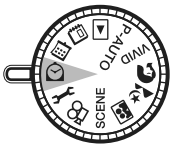
Setting the alarm (ALARM SET)

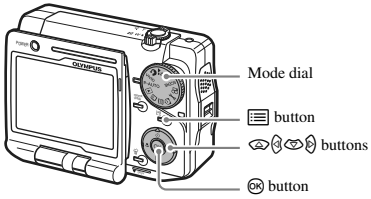
This function allows you to set the alarm. When the alarm is set, even if the camera's power is Off, the power will automatically turn on at the time set for the alarm to go off. If you want to cancel the alarm, set the alarm to "OFF."

Tip

"ALARM SET" cannot be selected if the date and time are not set. Set the date and time before setting the alarm. For details, see "Setting the date and time" (☞ page 38).

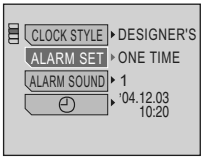
1 Turn the mode dial to .





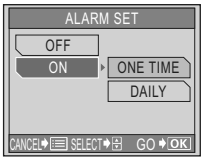
2 Press to display the clock menu.

Press ▲/▼ to select "ALARM SET."



3 Press ▷ to enter the alarm settings.

Press ▲/▼ to select "ON," then press ▷ to set the alarm.

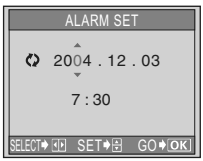


4 Press ▲/▼ to select "ONE TIME" or "DAILY," then press OK.

When "ONE TIME" is selected, the alarm goes off only once. When "DAILY" is selected, the alarm goes off each time the set time arrives.

5 Set the alarm time.

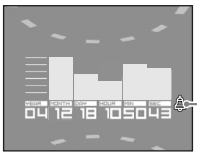
When "ONE TIME" is selected, set both the date and time. When "DAILY" is selected, set only the time. For details on setting the date and/or time, see "Setting the date and time" (☞ page 38).



When "ONE TIME" is selected.

6 Press OK.

The selected alarm is set. Press MENU to return to clock mode.



"A" appears when the alarm is set.

Note

If you want to let the alarm go off while the camera's power is on, turn the mode dial to ⏰ to enter the clock mode.

Tip

To check the set alarm time while the clock is displayed, press QUICK VIEW, then the date and time set for the alarm appear for three seconds.

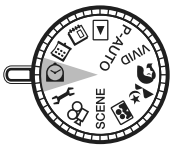
To turn off the alarm sound

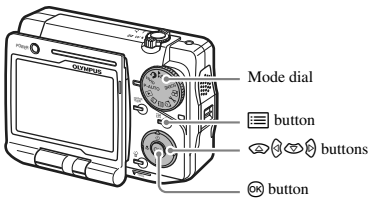
- Press any button of the camera (the alarm sound will not go off by turning the mode dial, operating the zoom lever, or by pressing the shutter button).
- Turn off the camera.

Setting the type of alarm sound and sound level (ALARM SOUND)

This function allows you to set the type of alarm sound and sound level. You can select from three types of alarm sounds. You can also set the volume of each sound to “LOW,” “MID,” “HIGH,” or “GRADUAL” which increases the volume gradually.

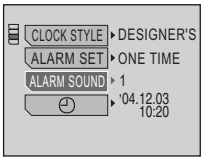
1 Turn the mode dial to .





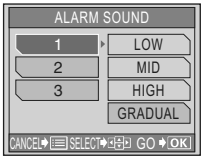
2 Press to display the clock menu.

Press ▲/▼ to select “ALARM SOUND.”



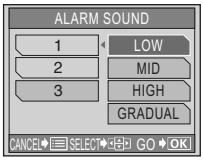
3 Press ▶ to enter the alarm sound settings.

Press ▲/▼ to select the desired alarm sound.



4 Press ▶ to enter the volume level settings.

Press ▲/▼ to select the desired volume level.



5 Press OK.

The selected alarm sound and volume level are set. Press MENU to return to clock mode.

Chapter 8: Printing images

Selecting a printing method

Several different printing options are available for printing out pictures taken with this camera.

Using a Dock&Done-compatible printer

If you connect the camera to a separately sold Dock&Done-compatible storage unit or printer, you can easily save and print images without using a computer. For details on how to operate the Dock&Done-compatible storage unit and printer, refer to their instruction manuals.

Using a PictBridge-compatible printer (Direct Print)

By connecting the camera to a PictBridge-compatible printer with the USB cable, you can print out recorded pictures directly.

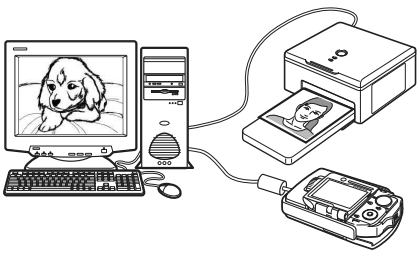
See “Printing with a PictBridge-compatible printer” (☞ page 192).

Using a printer connected to a computer

You can print pictures on a printer connected to the computer.

You can transfer pictures from the card to the computer and print them. Printing is easy if you use OLYMPUS Master software.

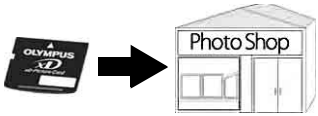
See “Using the supplied OLYMPUS Master software” (☞ page 204).



Using the printing service offered by camera shops

You can have the images on the card printed at a camera shop. If you make print reservations in advance with the camera, you can get pictures printed according to the print reservation data.

See “Making print reservations (DPOF)” (☞ page 182).



Making print reservations (DPOF)

You can specify pictures and the number of prints on the card. Take the card containing this print reservation information to a DPOF photo lab for printing. You can also print pictures at home if your printer is DPOF-compatible.

There are two methods of reservation: “ALL” (all-frame reservation)—all pictures can be reserved; and, (single-frame reservation)—single frames can be selected and reserved.

Easy print with a Dock&Done-compatible printer

If you connect the camera to a separately sold Dock&Done-compatible printer, you can print the images with print reservations easily by just setting the camera on the cradle.

For details, refer to the instruction manual supplied with a Dock&Done-compatible printer.

What is DPOF?

DPOF is short for Digital Print Order Format. DPOF is the format used to record information relating to which frames have been selected, how many prints are required, and whether the date and time are to be included. The DPOF print reservation data is stored on the card.

Notes

- DPOF reservations for 999 frames can be made on one card.
- Saving print reservation data may take considerable time.
- DPOF reservations set by another device cannot be changed by this camera. Make changes using the original device.
- If a card contains DPOF reservations set by another device, entering reservations using this camera overwrites the previous reservations.

Making a single-frame reservation (🖨)/All-frame reservation (🖨ALL)

🖨

Use this function to individually select the pictures you want to print. You can set the desired number of prints for each picture. You can also change previous reservations.

🖨ALL

Use this feature to print all the pictures. You can select whether or not to include the shooting date and time. One print will be made of each frame. Use single-frame reservation to reserve multiple prints of a particular frame.

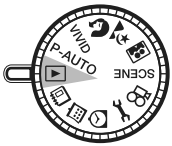
Note

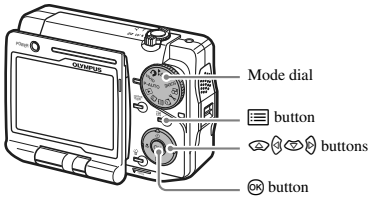
The print reservation setting is not canceled even after the picture is printed. If you do not need to print the same picture again, cancel the print reservation. See “Canceling print reservations” (☞ page 189).

Tip

You cannot make print reservations for pictures with the 🎞 (movie) indication.

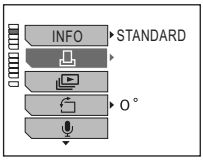
1 Turn the mode dial to ▶.





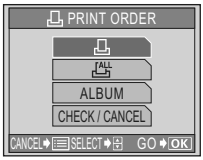
2 Press ☰ to display the playback menu, then press ▲/▼ to select "🖨."

Press ▶ to enter the print reservation settings.



When making single-frame reservations (🖨)

3 Press ▲/▼ to select "🖨."



4 Press ⓞ.

- **When entered from single-frame playback**
  A picture appears as a single frame.
- **When entered from index playback**
  Pictures appear in the index display. Select the picture you want to reserve for printing and press ⓞ. (When the index is displayed in 4 frame partitions, you can obtain the same result by turning the zoom lever to T (🔍) instead of pressing ⓞ.) For details on operating the index display, see "Displaying several images at once (Index playback)" (☞ page 102).

5 Press ◁/▷ to select the picture you want to print, then press △/▽ to select the number of prints.

Repeat this step to make print reservations for other pictures.

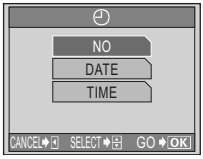
The number of prints appears.

Tip

You can select up to 10 prints. If you select 0, no prints will be made.

6 Press ⓞ after you finish making print reservations for the images you want to print.

Press △/▽ to select "NO," "DATE" or "TIME."



NO: The pictures are printed without the date and time.
DATE: The pictures are printed with the shooting date.
TIME: The pictures are printed with the shooting time.

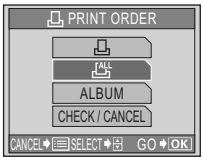
7 **Press ⓞⓚ.**

8 **Press ◁/▷ to select "SET," then press ⓞⓚ.**

The selected pictures are reserved for printing and the print reservation data is stored on the card.

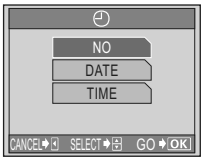
When making an all-frame reservation (ALL)

3 **Press ◁/▷ to select "ALL."**



4 **Press ⓞⓚ.**

Press ◁/▷ to select "NO," "DATE" or "TIME."



NO: The pictures are printed without the date and time.
DATE: The pictures are printed with the shooting date.
TIME: The pictures are printed with the shooting time.

5 **Press ⓞⓚ.**

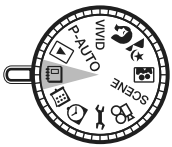
6 **Press ◁/▷ to select "SET," then press ⓞⓚ.**

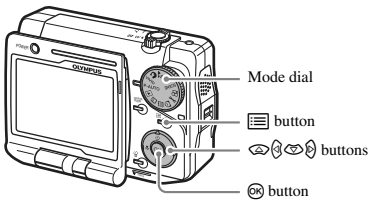
All the pictures on the card are reserved for printing and the print reservation data is stored on the card.

Making print reservations from an album (ALBUM)

This function allows you to select an album and make print reservations. There are two methods of reservation: single-frame reservation (🖨)—single frames can be selected from an album; and, all-frame reservation (🖨ALL)—all pictures in an album can be selected.

1 Turn the mode dial to 🖼.



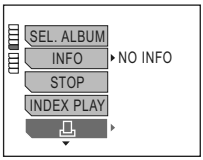


2 Select the desired album and display one of the pictures you want to reserve for printing.

See "Viewing the pictures in the albums" (☞ page 139).

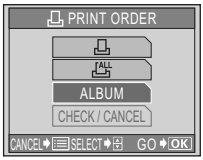
3 Press ☰ to display the album menu.

Press ▲/▼ to select "🖨."



4 Press ▶ to enter the print reservation settings.

Press ▲/▼ to select "ALBUM."



Tips

- When you enter the print reservation settings from the playback menu, "ALBUM" is not displayed. When you want to make an album reservation, select a picture in the album, press ☰, then select "🖨."
- To return to the album selection screen, press ☰ or ◀.

5 Press OK.

Press ◀/▶ to select the album for which you want to make print reservations.

6 Press OK.

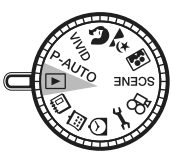
7 Press ▲/▼ to select "🖨" or "🖨ALL" then press OK.

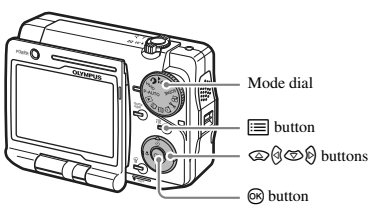
- **When "🖨" (single-frame reservation) is selected**
  Print reservations are made for the selected pictures only. To make single-frame reservations, follow the procedure in "When making single-frame reservations (🖨)" (☞ page 184) from step 5.
- **When "🖨ALL" (all-frame reservation) is selected**
  Print reservations are made for all the pictures in the selected album. To make an all-frame reservation, follow the procedure in "When making an all-frame reservation (🖨ALL)" (☞ page 186) from step 4.

Canceling print reservations

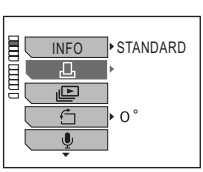
This section explains how to cancel print reservations recorded on the card. You can select single-frame cancel (CANCEL) to cancel print reservations one frame at a time, or all-frame cancel (CANCEL ALL) to cancel print reservations for all pictures.

1 Turn the mode dial to ▶.



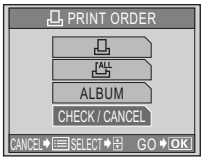


2 Press ☰ to display the playback menu.
Press ▲/▼ to select "🖨."



3 Press ▷ to enter the print reservation settings.

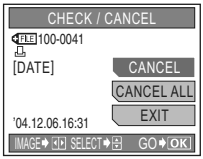
Press ▲/▼ to select "CHECK / CANCEL."



Tip

When print reservation settings are selected from the album menu, "CHECK / CANCEL" cannot be selected. Perform print reservation settings from the playback menu.

4 Press OK.



5 Press ▲/▼ to select "CANCEL" or "CANCEL ALL."

- **When "CANCEL" is selected**

  Pictures appear as a single frame. Press ◁/▷ to select the picture you want to cancel.

- **When "CANCEL ALL" is selected**

  The print reservations of all the images on the card will be canceled.

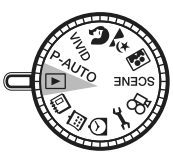
6 Press ⓞ.

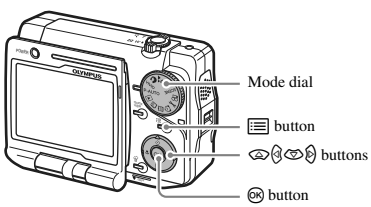
- **When "CANCEL" is selected**
  The print reservation for the selected picture is canceled. If pictures with print reservations are still remaining, the screen will return to step 4. To quit, select "EXIT" and press ⓞ.
- **When "CANCEL ALL" is selected**
  The print reservations of all the images on the card are canceled. The screen returns to the menu.

Checking the print reservations

You can check the information of the images to which you made print reservations.

1 Turn the mode dial to ▶.





2 Press ☰ to display the playback menu.
Press △/▽ to select "🖨."

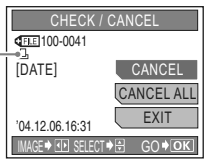
3 Press ▷ to enter the print reservation settings.
Press △/▽ to select "CHECK / CANCEL."

Tip
When print reservation settings are selected from the album menu, "CHECK / CANCEL" cannot be selected. Perform print reservation settings from the playback menu.

4 Press ⓞ.

A picture with a print reservation appears. Press ◁/▷ to display the picture you want to check.

"🖨" and a number of prints appear on a picture with a print reservation.



5 When you finish checking, press △/▽ to select "EXIT," then press ⓞ.

The screen returns to playback mode.

Printing with a PictBridge-compatible printer

Using the direct printing function

By connecting to a PictBridge-compatible printer with the USB cable, you can print out recorded pictures directly. With the camera connected to the printer, select the pictures you want to print and the number of prints on the camera's monitor. It is also possible to print out pictures using the print reservation data.

See "Making print reservations (DPOF)" (☞ page 182).

To find out if your printer is compatible with PictBridge, refer to the printer's instruction manual.

What is "PictBridge?"

It is the standard for connecting digital cameras and printers of different manufacturers and printing out pictures directly.

Standard settings

All printers that support PictBridge have standard print settings. By selecting “STANDARD” (☞ page 199) on the settings screens, images are printed according to these settings. Refer to the instruction manual of your printer for its standard settings or inquire with the printer’s manufacturer.

Tip

For details of printing paper types, ink cassettes, etc., refer to the printer’s instruction manual.

Notes

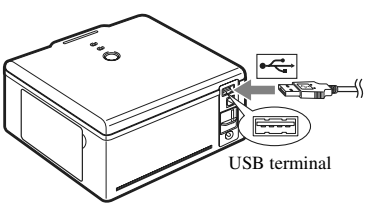
- We recommend using the supplied AC adapter when printing pictures. If you use the battery, make sure that it is fully charged. If the camera stops operating while communicating with the printer, the printer may malfunction or image data may be lost.
- Movies cannot be printed.
- The camera will not enter the sleep mode (standby mode) when the connected printer is turned on.

Connecting the camera to a printer

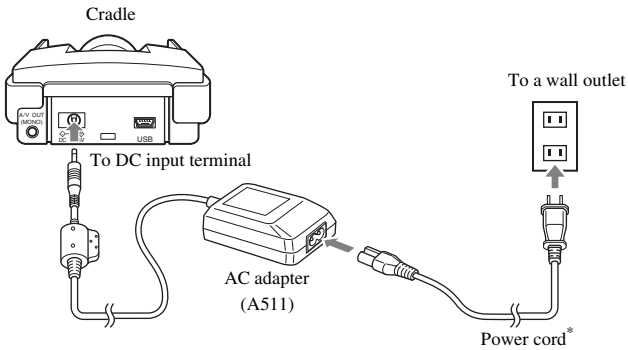
Use the supplied USB cable to connect the cradle to a PictBridge-compatible printer.

1 Turn the printer on and plug the printer end of the USB cable into the printer’s USB terminal.

For details on how to turn the printer on and locate the USB terminal, refer to the printer’s instruction manual.

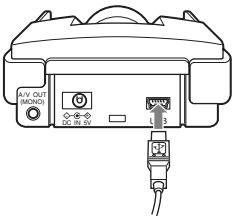


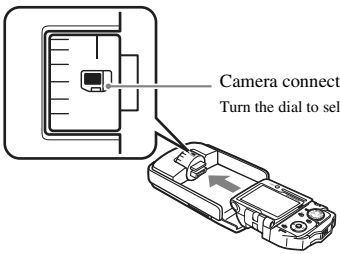
2 Connect the AC adapter to the cradle.



* The shape of the plug differs from country to country.

3 Connect the supplied USB cable to the cradle's USB terminal, then set the camera on the cradle with the multi-swing display opened.

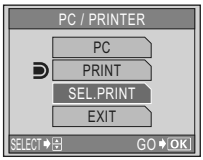




The camera turns on and the "PC / PRINTER" screen appears.

4 Press ▲/▼ to select "SEL. PRINT," then press OK.

The "PRINT MODE SELECT" screen appears after a while. Go to "Procedures for printing" (☞ page 196).



Notes

- If "PC" is selected accidentally, start over from step 1.
- If you select "PRINT" when a non-Dock&Done-compatible printer is connected, the error message "DOCK&DONE PRINTER IS NOT CONNECTED" appears.

Procedures for printing

After you connect the camera to the printer correctly, you can make print reservations for the images to be printed or print pictures one by one by letting the camera display the picture. Check the camera's monitor while following this procedure.

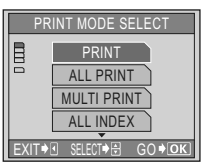
Press ◁/△/▷/▽ to select a setting item.

Perform the procedures following the guide indicated at the bottom of the screen.

Select "ALL IMAGES."

If you want to select images to be printed from the albums, select "ALBUM." For details, see "When you want to select the pictures you want to print from the albums" (☞ page 198).

1 Choose the print mode.



Choose how you want to print pictures, for example, whether you print one picture at a time or all the pictures on the card all at once. See "Choosing the print mode" (☞ page 198).

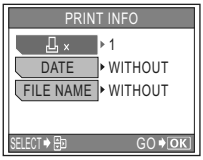
2 Select the paper size and layout.

Choose the paper size and layout such as print with/without borders. See "Choosing the paper size and layout" (☞ page 199).

3 Select the frame(s) you want to print.

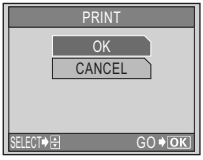
Display the picture you want to print. You can print the currently displayed picture or make print reservation(s). See “Printing/Making print reservations” (☞ page 199).

4 Choose the number of prints and print information.



Choose the number of prints and information to be printed with the picture(s) such as date and file name. See “Choosing the number of prints and print information” (☞ page 200).

5 Print.



Print the currently displayed image or image(s) with print reservation(s). See “Start printing” (☞ page 200).

When you want to select the pictures you want to print from the albums

You can select and print pictures from the selected album. You can also print all the pictures in the album.

❶ Select "ALBUM" and press ⓞ, then the album selection screen appears.

❷ Select the images you want to print from the album, then press ⓞ. The print mode selection screen appears. Go to step 1 of "Choose the print mode." (☞ page 196).

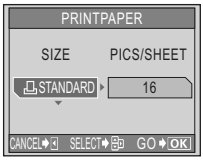
1 Choosing the print mode

You can choose how you want to print pictures from among the following various selections:

PRINT	Prints the selected picture.
ALL PRINT	Prints all the pictures stored on the card.
MULTI PRINT	Prints one picture in multiple layout format.
ALL INDEX	Prints an index of all the pictures stored on the card.
PRINT ORDER	Prints the pictures according to the print reservation (DPOF) data on the card. If no print reservations have been made, this option is not available.

2 Choosing the paper size and layout

The available options vary depending on your printer. If your printer only has its standard settings available, you cannot change the printer's settings.



SIZE: Choose the paper size from among the options offered by your printer.
BORDERLESS: Select "ON" to print to the edges of the paper or "OFF" to print with borders.
PICS/SHEET: This option appears when you have selected "MULTI PRINT" from among the print modes.

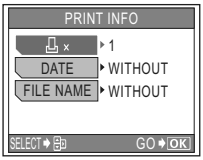
3 Printing/Making print reservations

Select the picture you want to print. You can also make print reservations for multiple pictures (SINGLE PRINT) and print them all later.

PRINT: Prints the currently displayed picture. If any picture that has a print reservation with "SINGLE PRINT" exists, only the picture(s) with print reservation(s) are printed not the currently displayed picture.
SINGLE PRINT: Makes print reservations. Only one copy for each picture with a print reservation is to be printed. To make a print reservation for the displayed picture, press ▲. To select another picture, press ◀/▶. Repeat these steps to select all the pictures for which you want to make print reservations.
MORE: Makes print reservations by specifying the number of prints and information to be printed with the selected pictures.

4 Choosing the number of prints and print information

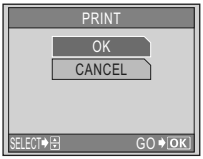
You can specify the number of prints and whether or not to print each picture's information such as the date and file name.



x: Sets the number of prints.
DATE: Prints the date recorded with each picture at the same time.
FILE NAME: Prints the file name recorded with each picture at the same time.

5 Start printing

After all the settings for printing are complete, you can start printing.



OK: Transfers image data to the printer for printing.
CANCEL: Cancels printing. All settings you made including print reservations will be erased. If you want to return to the previous screen keeping the settings you made, press ◁.

To cancel printing while the data is being transferred to the printer

Press OK, then select "CONTINUE" or "CANCEL" from the next screen. Press △/▽ to select "CANCEL," then press OK.

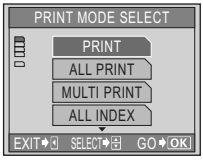
Print modes and each setting

Available print options, such as printing modes and paper sizes, vary depending on the printer you use. For details, refer to your printer's instruction manual.

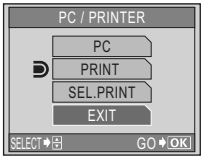
Exiting direct printing

When printing is finished, the monitor returns to the “PRINT MODE SELECT” screen.

1 Press ◁ while “PRINT MODE SELECT” is displayed.

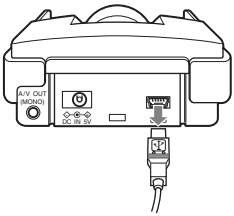


2 Press △/▽ to select “EXIT” in the “PC / PRINTER” screen.

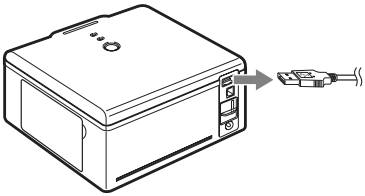


3 Disconnect the USB cable from the cradle.

The camera turns off.



4 Disconnect the USB cable from the printer.



Chapter 9: Using images with your computer

Before transferring image data to your computer

Once the shot images are on your computer, you can do much more than print the pictures you like. Using application software, you can catalog images by date and on your purposes, and edit and process images. Further out, you can send images as attachment to your email through internet. You will get a lot of pleasure out of the camera.
Also there are various ways for presenting images, which only computers can do. For example, you can enjoy slide show, making HTML album, and using an image as your desktop wallpaper.

Operational sequence

You can transfer images from the card in the camera to your computer with the OLYMPUS Master software on one of the supplied CD-ROM by connecting the camera and computer.

Installing OLYMPUS Master	☞P.205
↓	
Connecting the camera to your computer using the supplied USB cable	☞P.210
↓	
Launching OLYMPUS Master	☞P.213
↓	
Saving pictures on the computer	☞P.215
↓	
Disconnecting the camera from the computer	☞P.216

Notes

- When you connect the camera to your computer with the cradle, use the AC adapter whenever possible. When using the battery, be sure that the battery has sufficient power. Note that the camera's battery will continuously discharge (use energy) when connected (communicating) with a computer. If the battery power is exhausted, the camera will stop operating and the computer may malfunction and the image data (files) being transferred may be lost.
- Do not turn the camera off when the camera is connected with a computer, doing so may cause a malfunction.
- If the camera is connected to a computer via a USB hub, reliable operation cannot be guaranteed. If a malfunction should occur, connect the camera directly to the computer without using the USB hub.

Using the images imported in your computer

Be sure to use the images copied to the computer when you edit images using graphic software. Depending on the application software used, editing images (such as rotating) on the picture card may cause damage to the file data on the card.

If the image data cannot be transferred from the card in the camera connected using the USB cable

Use an xD-Picture Card adapter (sold separately) depending the operating system for transferring the image data from the xD-Picture card to a computer. For details, refer to the OLYMPUS website.

Using the supplied OLYMPUS Master software

The supplied CD-ROM includes the OLYMPUS Master application software for image editing and organizing your photos and movies.

What is OLYMPUS Master?

OLYMPUS Master is for use on computers to view, edit, and organize the pictures taken with the digital camera. When this software is installed, the following operations can be performed.

Viewing still pictures/movies
You can also enjoy slide show and reproducing sound.

Organizing/Managing your image data
You can manage your data in a calender. You can also find the desired image quickly using the shooting date/time or keyword.

Transferring image data from the camera or a device.

Editing images
Various edit functions are provided such as rotating, flipping, trimming, and resizing.

Correcting images using the filter and correcting functions

Composing a panoramic picture
You can make a panoramic picture using the images taken in PANORAMA mode.

Printing images using your printer
You can enjoy various types of printing such as index, calender, and postcard prints.

For other functions and operations, refer to the “Help” section of OLYMPUS Master and the related sections of this manual.

Installing OLYMPUS Master

Check the operating system of your computer before installing OLYMPUS Master.
For the compatibility of a new operating system, see the Olympus website.

System requirements

Windows

Operating System	Windows 98SE/Me/2000 Professional/XP
CPU	Pentium III 500MHz or better
RAM	128MB or greater (256MB or greater recommended)
Hard disk space	300MB or greater
Connector	USB port
Monitor	1024 × 768 dots or higher, 65,536 colors or higher

Notes

- This software is for use on computers with a pre-installed Operating System.
- For Windows XP systems, only Windows XP Professional/Home Edition is supported.
- For Windows 2000 systems, only Windows 2000 Professional is supported.
- If you use Windows 98SE, the USB driver is automatically installed.
- If you install the software in Windows 2000 Professional/XP, log on as a user with administrators' privileges.
- QuickTime 6 or later and Internet Explorer 6 or later must be installed on your computer.

Macintosh

Operating System	Mac OS X v10.2 or later
CPU	Power PC G3 500MHz or greater
RAM	128MB or greater (256MB or greater recommended)
Hard disk space	300MB or greater
Connector	USB port
Monitor	1024 × 768 dots or higher, 32,000 colors or higher

Notes

- Macintosh not originally equipped with a USB port, normal operations cannot be guaranteed on computers when the camera is connected using the USB connectors.
- QuickTime 6 or later, or Safari 1.0 or later, must be installed on your computer.
- Before starting the following operations, be sure to eject the installed media by dragging into the trash. Failure to do so may cause the computer to function unstably and require restarting.
  - Unplugging the connection cable used between the camera and computer
  - Turning the camera off
  - Opening the battery/card cover on the camera

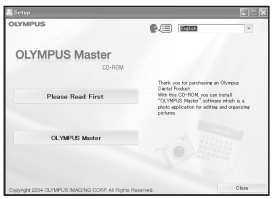
Windows

1 Insert the CD-ROM into the CD-ROM drive.

The OLYMPUS Master installation window is displayed.

If the installation window does not display automatically, double click the [My Computer] icon on your desktop and then click the CD-ROM icon.

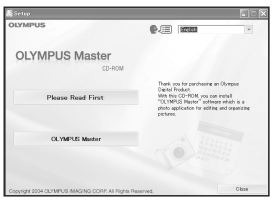
2 Select the language to be installed.



3 Click [OLYMPUS Master].

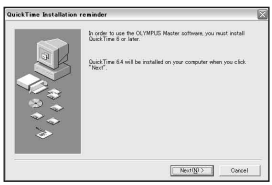
The QuickTime installation window automatically appears.

QuickTime is required to operate OLYMPUS Master. If your computer has the QuickTime 6 or later version installed, the installation window will not be displayed. Go to step 5.

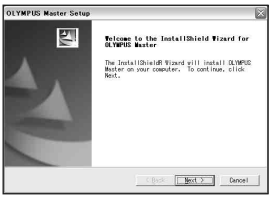


4 Click [Next], and the operation message window appears. Operate according to the messages.

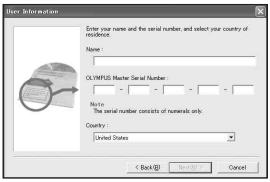
When the software license agreement window is displayed, review the agreement and click [Agree]. The OLYMPUS Master installation window will be displayed.



5 Operate according to the window messages.


OLYMPUS Master Setup
Welcome to the InstallShield Wizard for OLYMPUS Master
The InstallShield® Wizard will install OLYMPUS Master on your computer. To continue, click Next.
< Back
Next >
Cancel

When the software license agreement window is displayed, review the agreement and click [Yes].



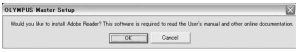
When the user information window is displayed, type in [Name] and [OLYMPUS Master Serial Number]. Then, select your resident country and click [Next].

The serial number is shown on the label pasted on the CD-ROM package.

When the DirectX license agreement window is displayed, review the contents and click [Yes].

The Adobe Reader installation dialog window appears asking whether you wish to install it or not.
Adobe Reader is required to view the manual. If Adobe Reader is already installed in your computer, the installation dialog window does not appear.

6 If you wish to install Adobe Reader, click [OK].

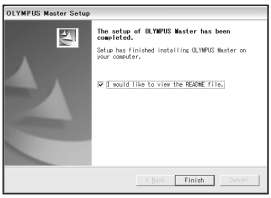

OLYMPUS Master Setup
Would you like to install Adobe Reader? This software is required to read the User's manual and other online documentation.
OK
Cancel

If you do not wish to install, click [Cancel], and go to step 8.

The Adobe Reader installation window appears.

7 Operate according to the window messages.

The installation completion window appears.


OLYMPUS Master Setup
The setup of OLYMPUS Master has been completed.
Setup has finished installing OLYMPUS Master on your computer.
I would like to view the README file.
< Back
Finish
Cancel

8 Click [Finish].

The display returns to the initial window.

9 Select the option to restart the computer immediately and click [Finish]. Remove the CD-ROM from the CD-ROM drive and store it.

Macintosh

1 Insert the CD-ROM into the CD-ROM drive.

The CD-ROM's window appears.

If the window is not displayed, double click the icon of the CD-ROM on the desktop.

2 Double click the installer icon.

Operate according to the window messages. The installer of OLYMPUS Master is activated.

When the software license agreement window is displayed, review the agreement and click [Continue], then click [Agree]. The installation completion window appears.

3 Click [Finish].

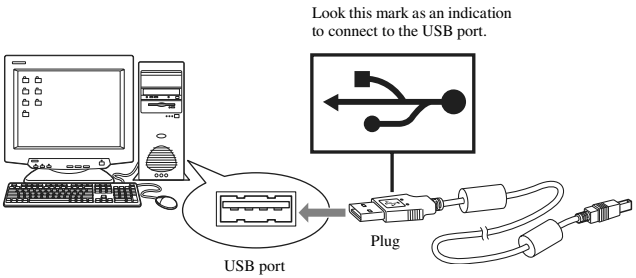
4 Eject the CD-ROM from the CD-ROM drive and click [Restart].

Connecting the camera to your computer

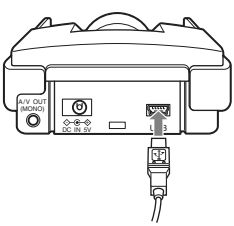
Connect the cradle and your computer using the supplied USB cable, and then set the camera on the cradle.

1 Connect the supplied USB cable to the USB port of your computer.

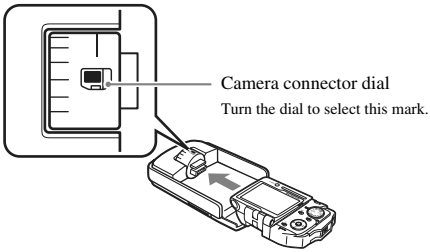
For the location of the USB port on your computer, see the manual for the computer.



2 Connect the other end of the USB cable to the USB terminal on the cradle.

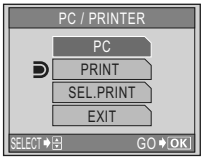


3 Set the camera on the cradle with the multi-swing display opened.



4 When the "PC / PRINTER" screen appears on the camera's monitor, select "PC," then press ⓞⓚ.

If the screen disappears, turn off the camera and turn it on again, or remove the camera from the cradle and repeat from step 2.



5 The computer recognizes the camera as a new device.

- Windows 98SE/Me/2000

  The first time when the camera is connected to your computer, the computer automatically installs the software to recognize the camera. Wait until recognition is completed and the completion message is displayed.
  Click [OK] to complete the message. The computer recognizes the camera as a (removable disk.)

- Windows XP

  When the computer has been connected to the camera, a window is displayed, prompting you to select the operation for the image files. Click [CANCEL] because the images will be transferred using OLYMPUS Master.

- Mac OS X

  The image files are usually controlled by an iPhoto application. When the camera is connected for the first time, the iPhoto application is activated, so terminate it.

Note

When the camera is connected to a computer, it cannot be used as a camera.

Launching OLYMPUS Master

Windows

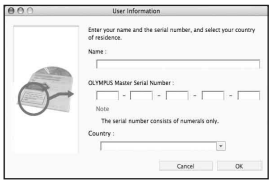
1 **Double click the (OLYMPUS Master) icon on the desktop.**

The main menu window appears automatically.

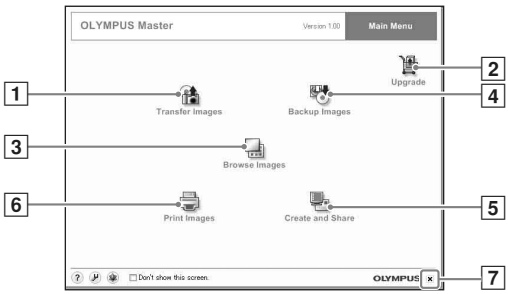
Macintosh

1 **Double click the (OLYMPUS Master) icon in the [OLYMPUS Master] folder.**

The main menu window appears automatically.
The first time when the software is activated, the user information window appears, input [Name] and [OLYMPUS Master Serial Number], then select your resident country.



OLYMPUS Master main menu



1 **[Transfer Images] button**
Use to transfer images from the camera (Olympus model only) or media.

2 **[Upgrade] button**
Use to display the dialog box for upgrading to OLYMPUS Master Plus.

3 **[Browse Images] button**
Use to display the browse image.

4 **[Backup Images] button**
Use to back up images.

5 **[Create and Share] button**
Use to display the enjoy menus.

6 **[Print Images] button**
Use to display the print menus.

7 **[Close] button**
Use to close the OLYMPUS Master software.

Closing OLYMPUS Master

Click the (close) button on the main menu.

Displaying camera images on computer

Transferring and storing the camera images on a computer

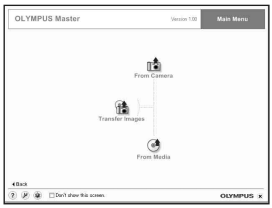
Storing camera images on a computer.

1 In the OLYMPUS Master main menu, click the (Transfer Images) button.

The transferring source selection window appears.

2 Click the (From Camera) button in the menu window.

The transferring source window appears. The list showing all the images on the card in the camera is displayed.



3 Select the image file, and click the [Transfer Images] button.

The confirmation message is displayed.

4 Click the [Browse images now] button.

The image transferred into the browse window is displayed.

To return to the main menu, click [Menu] in the browse window.

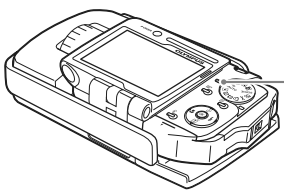
Note

Never open the battery/card cover or disconnect/connect the AC adapter while the card access lamp is blinking. There is a possibility that the data could be corrupted.

Disconnecting the camera

The camera can be disconnected after transferring the camera images to your computer.

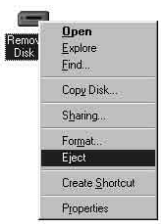
1 Make sure that the card access lamp on the camera is not lit.



2 For Windows 98SE

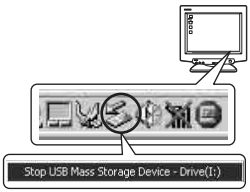
① Double click the [My Computer] icon, then right click [Removable Disk] to display the menu.

② Click [Eject] in the menu.



For Windows Me/2000/XP

① Click the [Eject Hardware] icon displayed on the control strip.



② Click the displayed message.
③ When the [Safe to Remove Hardware] message is displayed, click [OK].

For Macintosh

① Drag and drop the [NO_NAME] (or [Untitled]) icon on the desktop to [TRASH].

② The icon showing the connection with the computer turns off.

3 Disconnect the USB cable from the cradle.

Note

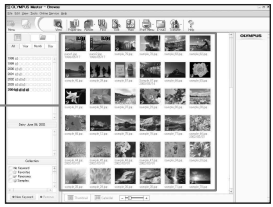
For Windows Me/2000/XP, when the [Eject Hardware] menu is clicked, a warning message saying [Cannot Stop Camera] may appear. In this case, check to see if the camera image data is not being read or the application software used for opening the camera image file is not in use. Then, restart the operation of [Eject Hardware] and disconnect the cable.

Viewing still images/movies

1 In the OLYMPUS Master main menu, click the (Browse Images) button.

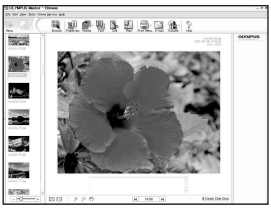
The Browse Window is displayed.

2 Double click the thumbnail of the still picture you want to view.



The display switches to view mode and the picture is enlarged.

To return to the main menu, click [Menu] in the browse window.



Viewing movies

1 In the Browse Window, double click the thumbnail of the movie you want to view.

The display switches to view mode and the first frame of the movie is displayed.

2 Click the playback button ▷ at the bottom of the movie display to start the movie.

The names and functions of the buttons on the control are as follows:

	Item	Detail
1	Playback slider	Drag the slider to choose a desired frame.
2	Elapsed time display	The elapsed time appears during playback.
3	Play (Pause) button	Plays back the movie. The button works as a pause button during playback.
4	One frame return button	Displays the previous frame.
5	One frame forward button	Displays the next frame.
6	Stop button	Stops playback and returns to the top frame.
7	Repeat button	Plays back the movie repeatedly.
8	Volume button	Volume adjustment slider appears.

Printing images

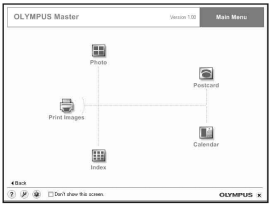
There are many printing menus for the photos, indexes, postcards, calendars, etc. This section describes how to print photos.

1 In the OLYMPUS Master main menu, click the [Print Images] button.

The Print Menu window is displayed.

2 Click the (Photo) button.

The photo print window is displayed.

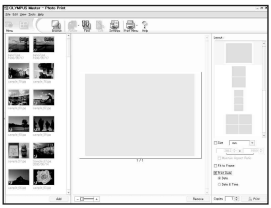


3 Click [Settings] on the Photo Print window.

The Printer Settings dialog window is displayed. Set to the printer as required.

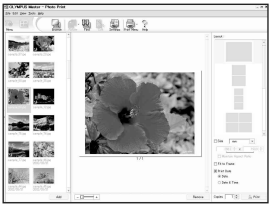
4 Select the layout and size of the photos to be printed.

If you want to print the pictures with the shooting date and/or time, click the check box [Print Date], then select [Date] or [Date & Time].

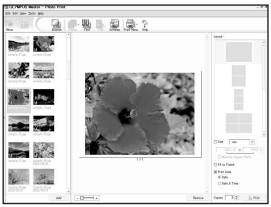


5 Select the thumbnail of the picture you want to print and click [Add].

The selected picture is displayed on the layout as a preview.



6 Set the number of prints.



7 Click [Print].

To return to the main menu, click [Menu] in the photo print window.

Transferring and storing camera images to a computer without using OLYMPUS Master

This camera is supported by USB Mass Storage Class Device Standards. Therefore, you can transfer and store images by connecting the camera to a computer with the supplied USB cable without using OLYMPUS Master. The connection environment of the USB cable is as follows:

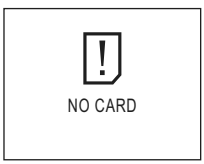
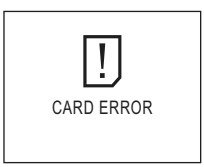
Windows: Windows 98/98SE/Me/2000 Professional/XP
Macintosh: Mac OS 9.0–9.2/X

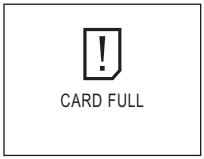
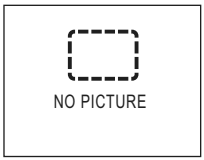
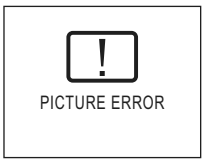
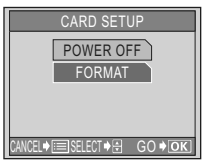
Notes

- Under the environment shown below, we cannot guarantee proper operation even if it is equipped with the USB connector.
  - Windows 95/NT 4.0
  - Windows 98/98SE when upgraded from Windows 95
  - Mac OS 8.6 or lower versions (only for Mac OS 8.6 originally equipped with USB connector and USB MASS Storage Device Support 1.3.5 is confirmed for proper operation.)
  - Computer with an add-on USB connector on an expansion card, etc.
  - Computers without a pre-installed Operating System or a self-built computer
- A USB driver should be installed if you use Windows 98/98SE. Before connecting the camera and a computer, double-click [INSTALL.EXE] to install the USB driver from the folder (indicated below) on the supplied OLYMPUS Master CD-ROM.
  (The Drive name of your computer):\USB

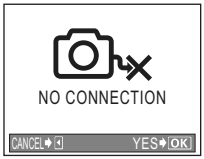
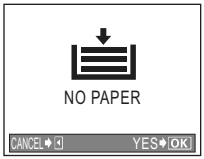
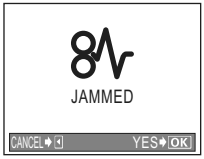
Chapter 10: Others

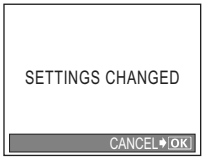
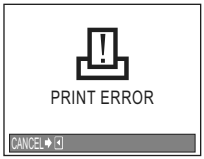
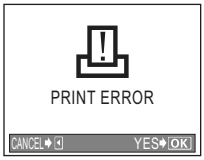
Error message list

Error message	Corrective action
	Insert a card. Or remove the card and reinsert it correctly (☞ page 31). Wipe the gold contacts with a commercially available cleaning paper and insert the card again. If the problem persists, format the card (☞ page 172). If the card cannot be formatted, use another card.
	There is a problem with the card and it cannot be used. If the card cannot be formatted, use another card. Insert a new card.
	The read-only setting is set to the card. Use the computer again to cancel the read-only setting. If this indication does not disappear, save the images on the card to the computer and format the card with the camera (☞ page 172).

Error message	Corrective action
	Replace the card or erase unwanted pictures. Transfer the important images to your computer before erasing the image data on the card.
	The card contains no pictures. Record pictures before playing back.
	Use image processing software to view the pictures on a computer. If that cannot be done, the image file is damaged.
	Format the card (☞ page 172).

Error message	Corrective action
CARD-COVER OPEN	Close the battery/card cover (☞ page 32).
Y/M/D	Set the date/time (☞ page 38).
BATTERY EMPTY	The battery is empty. Charge the battery by setting the camera on the cradle or replace the battery with a fully charged battery.
NOT FOR SHOOTING	The camera cannot be used for shooting when set on the cradle. Remove the camera from the cradle.

Error message	Corrective action
	The camera is not connected to the printer or computer correctly. Disconnect the camera and connect it again correctly.
	There is no paper in the printer. Load some paper in the printer.
	The printer has run out of ink. Replace the ink cartridge in the printer.
	The paper is jammed in the printer. Remove the jammed paper.

Error message	Corrective action
	The printer's paper tray has been removed or a similar action has been taken. Do not operate the printer while configuring the printer settings.
	There is a problem with the printer. Turn off the camera and printer, check the printer, and then turn on both devices.
	There is a problem with the printer. Press OK again to restart printing.
	No Dock&Done-compatible printer is connected. Connect a Dock&Done-compatible printer.

If a problem arises

Possible cause	Corrective action	Ref. page
● The camera does not operate./The camera's buttons do not operate.		
The power is off.	The camera automatically turns off if you leave the camera for some time. Turn on the camera by opening the multi-swing display or pressing the power switch.	P.36
The battery is running low.	Charge the battery.	P.33
The battery performance has temporarily declined due to low temperature.	Use the battery after warming it by keeping it in your pocket or a warm place.	—
The camera is connected to a computer.	The camera will not operate while it is connected to a computer. To use the camera, disconnect the camera from the computer.	P.216
● No picture is taken when the shutter button is pressed.		
The battery is running low.	Charge the battery.	P.33
The camera is in playback mode.	Set the mode dial to other than the following: ▶, 🖼, 📅, 🛍, 🔧.	—
Flash charging is not complete.	Let go of the shutter button and wait until "⚡" stops blinking before shooting.	—

Possible cause	Corrective action	Ref. page
The card is full.	Erase unnecessary images or replace the card with a new one. If you do not want to erase any image, transfer the images on the card to your computer before erasing the image data on the card.	P.127 P.215
The battery has run out during shooting or storing image data on the card (the monitor has turned off after "BATTERY EMPTY" was displayed).	Charge the battery (if the card access lamp is blinking, wait until the card access lamp goes off before charging).	P.33
The whole memory gauge is lit.	Wait until the top of the memory gauge goes off.	P.28
● **The monitor has turned off.**		
The power is off.	The camera automatically turns off if you leave the camera for some time. Turn on the camera by opening the multi-swing display or pressing the power switch.	P.36
● **Colors in the monitor look distorted while the camera is focusing on a subject.**		
When you press the shutter button in half way, the colors in the monitor may look distorted.	It is not a malfunction. The colors will appear correctly after the focus is on.	—
● **The flash does not fire.**		
"FLASH MODE" is set to "⊘" (flash off).	Set "FLASH MODE" to other than "⊘" (flash off).	—

Possible cause	Corrective action	Ref. page
The subject is bright enough.	If you want the flash to fire every time you shoot, set "FLASH MODE" to "⚡" (fill-in flash).	P.51
The mode dial is set to 🎬 (movie shooting mode).	The flash cannot be used while the mode dial is set to 🎬. Set the mode dial to **P-AUTO**, **VIVID**, 👤, 🏔, 📷, or **SCENE**.	—
● **The battery is consumed quickly.**		
The battery was not fully charged.	Charge the battery until the power lamp goes off.	P.33
The camera is used in a cold place.	The battery runs out fast at cold temperatures. Let the camera stay in warm condition, for example, by keeping the camera inside your outfit or cloth.	—
The battery level does not appear correctly.	If the rate of battery consumption has changed tremendously, the camera may turn off the power without the low battery warning. Charge the battery.	P.33
● **The monitor is hard to see.**		
Vertical lines appear on the monitor.	If you aim the camera at strong light or a very bright subject, vertical lines may appear on the monitor. It is not a malfunction.	—
The brightness of the monitor is not adjusted properly.	Adjust the monitor's brightness with the "🖵" (monitor brightness adjustment) settings of the setup menu.	P.167

Possible cause	Corrective action	Ref. page
The monitor is exposed to direct sunlight.	Block the sunlight with something such as your hand.	—
● **The date recorded in the image data is wrong.**		
The date and time are not set.	Set the date and time with the "◴" (date and time) settings of the setup menu or clock menu. The date and time are not set at the time of purchase.	P.38
The camera has been left with the battery removed.	Set the date and time again.	P.38
● **The settings are returned to the factory default settings when the camera is turned off.**		
"ALL RESET" is set to "ON."	Set "ALL RESET" of the setup menu to "OFF."	P.148
● **The picture is out of focus.**		
Subjects that are difficult to focus on	Use focus lock to obtain an accurate focus.	P.45
The subject is too close.	If the distance between the lens and subject is less than 30 cm (11.9"), shoot in super macro mode.	P.54
● **The image cannot be played back.**		
The power is off.	The camera automatically turns off if you leave the camera for some time. Turn on the camera by opening the multi-swing display or pressing the power switch.	P.36

Possible cause	Corrective action	Ref. page
The camera is in shooting mode.	Set the mode dial to ▶.	P.96
The brightness of the monitor is not adjusted properly.	Adjust the monitor's brightness with the "⊡" (monitor brightness adjustment) settings of the setup menu.	P.167
The camera is connected to a TV.	If the AV cable is connected to the camera through the cradle, the monitor does not turn on.	—
● **The "ERASE" or "ALL ERASE" setting does not operate.**		
The image(s) are protected.	Set the "O-n" (protect) setting of the image(s) to "OFF."	P.126
● **The image does not appear on the TV screen even if the camera and TV are connected through the cradle.**		
The camera's video output signal type is set incorrectly.	Set the correct video signal type in accordance with the local system.	P.170
Wrong video input on the TV is selected.	Set the TV to the video input to which the cradle is connected.	—
● **The camera enters clock mode when set on the cradle.**		
The camera is set on the cradle with the multi-swing display closed.	The camera automatically enters clock mode when set on the cradle with the display closed. To operate the camera on the cradle, open the display.	—
● **The picture is too dark.**		
The flash was blocked by your finger.	Hold the camera correctly so that the flash is not blocked by your finger.	P.41

Possible cause	Corrective action	Ref. page
The subject was out of the working range of the flash.	Shoot within the flash working range.	P.53
"FLASH MODE" was set to "⊘"(flash off).	Set "FLASH MODE" to other than "⊘" (flash off).	P.51
A small subject was shot with the backlit condition.	Set "FLASH MODE" to "ϟ" (fill-in flash mode) or set "METERING" to "SPOT" before shooting.	P.51 P.79
Bright subjects (such as snow) will turn out darker than their natural colors.	Set "SCENE SELECT" of the shooting menu to "BEACH & SNOW" or adjust "±" (exposure compensation) towards +.	P.57 P.71
The center of the composition was bright.	If any bright subject is in the center of the composition, the whole image may become dark. Adjust "±" (exposure compensation) towards +.	P.71
● **The colors of pictures taken look unnatural.**		
Indoor lighting can affect the picture's colors.	Select the white balance to suit the lighting.	P.76
There was no white in the subject.	Include something white in the picture, or set "FLASH MODE" to "ϟ" (fill-in flash mode).	P.51
The white balance setting was wrong.	Adjust the white balance according to the light source.	P.76
● **Part of the image is dark.**		
The lens was partly blocked by your finger or the strap.	Hold the camera correctly so that the lens is not blocked by your finger or strap.	P.41

Possible cause	Corrective action	Ref. page
● **The image not focused on is played back.**		
The subject that are difficult to focus on was shot.	Use focus lock to obtain an accurate focus.	P.45
"FLASH MODE" is set to "⚡" (flash off) in insufficient light condition (camera movement occurred).	Set "FLASH MODE" to other than "⚡." The shutter speed is slow when you shoot in flash- off mode. Secure the camera or hold the camera firmly.	P.51
The camera moved when the shutter button was pressed (camera movement occurred).	Hold the camera correctly, and press the shutter button gently. As the shutter speed is slower, camera movement more likely to occur. When you take a night scene picture or shoot in flash-off mode, secure the camera or hold the camera firmly.	P.41
The subject was too close.	If the distance between the lens and subject is less than 30 cm (11.9",) shoot in super macro mode.	P.54
There was water on the lens or the lens was dirty.	Wipe the water and dirt off the lens. Use a commercially available blower brush and then wipe with a supplied lens cleaner to remove dust. Mold may form on the lens surface if the lens is left dirty.	P.246

When connected to a computer or printer

Possible cause	Corrective action	Ref. page
● **The camera is not recognized by the computer.**		
The USB driver has not been installed.	It is necessary to install the USB driver for Windows 98/98SE.	P.222
The camera's power is off.	Open the multi-swing display or press the power switch to turn on the camera.	P.36
The camera is not set to connect with the computer.	Select "PC" in the "PC / PRINTER" screen.	P.211
● **The camera is not recognized by the printer.**		
The camera is set to connect with the computer.	Select "PRINT" or "SEL. PRINT" in the "PC / PRINTER" screen.	P.195
The camera or printer is not turned on.	Turn on the camera and printer.	P.195
Your printer is not compatible with the PictBridge or Dock&Done system.	Refer to the instruction manual of your printer, or consult the printer's manufacturer.	—
● **Images cannot be stored onto the Dock&Done-compatible storage unit.**		
The storage setting is set to "NOT STORE."	Set the storage setting to "STORE."	P.129
When a card containing images taken with another camera is inserted, the storage setting may be automatically set to "NOT STORE."		

Menu list

Shooting menu (still image)

Item ▷	Settings ▷	Ref. page
SCENE SELECT	**LANDSCAPE**/LANDSCAPE+PORTRAIT/ NIGHT SCENE/NIGHT+PORTRAIT/ INDOOR/FIREWORKS/SUNSET/PORTRAIT/SELF PORTRAIT/CUISINE/DOCUMENTS/SPORT/ BEACH & SNOW/CANDLE/AVAILABLE LIGHT PORTRAIT/BEHIND GLASS/VIVID	P.57
(record mode)	**SUPER HIGH 4M**/HIGH 2M/BASIC 1M/ E-MAIL VGA	P.65
(sequential shooting)	**OFF**/ON	P.69
(exposure compensation)	–2.0 - **0.0** - +2.0	P.71
DIGITAL ZOOM	**OFF**/ON	P.73
WB (White Balance)	**AUTO**/	P.76
METERING	**AUTO**/SPOT	P.79
AF MODE	**AUTO**/SPOT	P.81
PANORAMA		P.83
2 IN 1		P.87
(recording with still pictures)	**OFF**/ON	P.90
FORMAT	YES/NO	P.172

The items in boldface type are default settings.

Shooting menu (movie)

Item ▷	Settings ▷	Ref. page
(record mode)	FINE/**STANDARD**/EXTENDED/SUPER FINE CLIP	P.67
IMAGE STABILIZER	**OFF**/ON	P.92
(exposure compensation)		P.71
DIGITAL ZOOM	**OFF**/ON	P.73
WB (White Balance)	**AUTO**/☀/☁/💡/▤	P.76
FULLTIME AF	**OFF**/ON	P.93
(recording sound with movies)	OFF/**ON**	P.94
FORMAT	YES/NO	P.172

The items in boldface type are default settings.

Playback menu (still image)

Item ▷	Settings ▷	Ref. page
INFO	NO INFO/**STANDARD**/DETAIL	P.110
(print order)		P.182
(slide show)	**NORMAL**/SCROLL/FADER/ZOOM DOWN/ZOOM UP/ CHECKERBOARD/BLINDS/SWIVEL/RANDOM	P.105
(image rotation)	+ 90° / **0**° / – 90°	P.108
(recording)	START	P.117
EDIT	BLACK & WHITE SEPIA (resize): 640 × 480 / 320 × 240 / CANCEL	P.115
(protect)	**OFF**/ON	P.126
ERASE	ERASE (one frame erase): YES/NO ALL ERASE: YES/NO	P.127
FORMAT	YES/NO	P.172
ALBUM ENTRY	YES/NO	P.136
STORE	**STORE**/NOT STORE	P.129

The items in boldface type are default settings.

Playback menu (movie)

Item ▷	Settings ▷	Ref. page
INFO	NO INFO/**STANDARD**/DETAIL	P.110
(slide show)	**NORMAL**/SCROLL/FADER/ZOOM DOWN/ZOOM UP/ CHECKERBOARD/BLINDS/SWIVEL/RANDOM	P.105
STOP		P.98
INDEX PLAY		P.113
EDIT		P.119
CAPTURE		P.121
INDEX		P.123
(protect)	**OFF**/ON	P.126
ERASE	ERASE (one movie erase): YES/NO ALL ERASE: YES/NO	P.127
FORMAT	YES/NO	P.172
ALBUM ENTRY	YES/NO	P.136
STORE	**STORE**/NOT STORE	P.129

The items in boldface type are default settings.

Setup menu

Item ▷	Settings ▷	Ref. page
ALL RESET	**OFF**/ON	P.148
(language)	**ENGLISH**/ FRANCAIS/ ESPAÑOL/ PORTUGUES (Settings differ according to the region where the camera is sold.)	P.151
SCREEN (startup screen)	OFF/**1**/2/CLOCK	P.152
SLEEP	30SEC/1MIN/**3MIN**/5MIN/10MIN	P.153
CUSTOM BUTTON	**(record mode)** / (sequential shooting) / (exposure compensation) / DIGITAL ZOOM / WB / METERING / AF MODE / FULLTIME AF / (recording sound with still pictures) / (recording sound with movies) / IMAGE STABILIZER	P.155
ERASE STORED IMAGE	**OFF**/ON	P.157
(warning sound)	OFF **ON**: **LOW**/HIGH	P.159
SHUTTER SOUND	OFF **1**: **LOW**/HIGH 2: LOW/HIGH	P.160
BEEP (operation sound)	OFF **1**: **LOW**/HIGH 2: LOW/HIGH	P.162
REC VIEW	OFF/**ON**	P.163
FILE NAME	**RESET**/AUTO	P.164
PIXEL MAPPING	START	P.166
(monitor brightness adjustment)		P.167
(date and time settings)		P.38
VOLUME		P.168
VIDEO OUT	NTSC/PAL (Settings differ according to the region where the camera is sold.)	P.170
MODE RESET	YES/NO	P.171

The items in boldface type are default settings.

Album menu

Item ▷	Settings ▷	Still image	Movie	Ref. page
SEL. ALBUM		✓	✓	P.139
INFO	NO INFO/**STANDARD**	✓	✓	P.110
(slide show)	**NORMAL**/SCROLL/FADER/ ZOOM DOWN/ZOOM UP/ CHECKERBOARD/BLINDS/ SWIVEL/RANDOM	✓	✓	P.105
STOP		—	✓	P.98
INDEX PLAY		—	✓	P.113
(print order)		✓	—	P.182
REARRANGE		✓	✓	P.140
UNDO ENTRY		✓	✓	P.142
UNDO ALL	YES/NO	✓	✓	P.145
ERASE	ERASE: YES/NO	✓	✓	P.146

The items in boldface type are default settings.

✓: Appears on the menu and selectable.

—: Not displayed on the menu and unselectable.

Calendar menu

Item ▷	Settings ▷	Ref. page
INFO	NO INFO/**STANDARD**	P.110
(slide show)	**NORMAL**/SCROLL/FADER/ZOOM DOWN/ZOOM UP/ CHECKERBOARD/BLINDS/SWIVEL/RANDOM	P.105
STOP		P.98
INDEX PLAY		P.113
(protect)	**OFF**/ON	P.126
ERASE	ERASE: YES/NO ALL ERASE: YES/NO	P.127
FORMAT	YES/NO	P.172

The items in boldface type are default settings.

Clock menu

Items ▷	Settings ▷	Ref. page
CLOCK STYLE	**DESIGNER'S**/DIGITAL	P.174
ALARM SET	ON/**OFF**	P.176
ALARM SOUND	**1**: LOW/MID/HIGH/**GRADUAL** 2: LOW/MID/HIGH/GRADUAL 3: LOW/MID/HIGH/GRADUAL	P.179

The items in boldface type are default settings.

List of functions by shooting mode

Some settings may not be available depending on the shooting mode. For details, refer to the table below.

Function \ Shooting mode	P									
FLASH MODE	✓	✓	✓	✓	✓	✓	✓	—	✓	✓
(macro mode)	✓	✓	✓	✓	✓	✓	—	✓	✓	✓
(super macro mode)	✓	✓	✓	✓	✓	✓	—	✓	✓	✓
(self-timer)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
(record mode)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
(sequential shooting)	✓	✓	✓	—	—	✓	—	—	✓	✓
(exposure compensation)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
DIGITAL ZOOM	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
WB (White Balance)	✓	—	—	—	—	—	—	—	—	—
METERING	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
AF MODE	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
PANORAMA	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
2 IN 1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
(record sound with still pictures)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
IMAGE STABILIZER	—	—	—	—	—	—	—	—	—	—
FULLTIME AF	—	—	—	—	—	—	—	—	—	—
(record sound with movies)	—	—	—	—	—	—	—	—	—	—

✓: Selectable

—: Unselectable

Function \ Shooting mode									
FLASH MODE	✓	—	✓	✓	—	—	✓	✓	—
(macro mode)	✓	✓	✓	✓	✓	✓	✓	✓	✓
(super macro mode)	✓	✓	✓	✓	✓	✓	✓	✓	✓
(self-timer)	✓	✓	✓	✓	✓	✓	✓	✓	✓
(record mode)	✓	✓	✓	✓	✓	✓	✓	✓	✓
(sequential shooting)	✓	✓	✓	✓	—	—	✓	✓	—
(exposure compensation)	✓	✓	✓	✓	✓	✓	✓	✓	✓
DIGITAL ZOOM	✓	✓	✓	✓	✓	✓	✓	✓	✓
WB (White Balance)	—	—	—	—	—	—	—	✓	✓
METERING	✓	✓	✓	✓	✓	✓	✓	✓	—
AF MODE	✓	✓	✓	✓	✓	✓	✓	✓	—
PANORAMA	✓	✓	✓	✓	✓	✓	✓	✓	—
2 IN 1	✓	✓	✓	✓	✓	✓	✓	✓	—
(record sound with still pictures)	✓	✓	✓	✓	✓	✓	✓	✓	—
IMAGE STABILIZER	—	—	—	—	—	—	—	—	✓
FULLTIME AF	—	—	—	—	—	—	—	—	✓
(record sound with movies)	—	—	—	—	—	—	—	—	✓

✓: Selectable

—: Unselectable

Green indicator/flash mark/flash standby indication

The green indicator and flash mark appearing on the monitor indicate the following depending on whether they are on, off, or blinking.

Indication	Indication status	Camera status	Possible/Impossible action
Green indicator	Lights steadily	The subject is in focus (when the shutter button is pressed halfway.)	Pictures can be taken.
	Blinks	The subject is not in focus (when the shutter button is pressed halfway.)	Pictures can be taken, but may be out of focus.
		Performing long time-exposure shooting	Shutter speed is slower than 1/2 sec. Stabilize the camera to prevent camera movement.
Flash mark	Lights steadily	Flash standby	Pictures can be taken.
	Blinks	The flash is charging.	No pictures can be taken. If you want the flash to fire, wait until the flash mark stops blinking.

Note

Do not open the battery/card cover or connect/disconnect the AC adapter while the card access lamp is blinking. Doing so could destroy stored pictures and prevent storage of the pictures you have just taken.

Camera maintenance

Cleaning the camera

Exterior

Wipe gently with a soft cloth. If the camera is very dirty, soak the cloth in mild soapy water and wring well. Wipe the camera with the damp cloth and then dry it with a dry cloth. If you used the camera at the beach, clean it with a cloth that has been soaked in clean water and well wrung.

Lens

Blow dust off the lens with a commercially available hand blower. Apply a small amount of lens cleaning solution to some lens cleaning paper and gently wipe the lens.

Monitor

Wipe gently with a soft dry cloth.

Card/Battery

Wipe gently with a soft dry cloth.

Cleaning the cradle

Blow dust off the connectors with a commercially available blower. Do not use water.

Notes

- Do not use strong solvents such as benzine or alcohol, or chemically treated cloths.
- Cleaning should be done only after the battery has been removed or the AC adapter has been disconnected from the camera.
- Mold may form on the lens surface if the lens is left dirty.
- Avoid storing the camera at the place where chemical agents are handled as this could result in corrosion.

Storing the camera

- If you do not intend to use the camera for a long time, remove the card and battery, and store the camera in a cool, dry, well-ventilated place.
- You are recommended to occasionally load the battery and operate the camera to keep it in working order.

Condensation inside the camera

What is condensation?

When it is cold outside, the water vapor in the air is rapidly cooled and turns to droplets of water. Condensation occurs when the camera is suddenly taken from the cold air into a warm room.

To prevent condensation

When taking the camera suddenly from a cold to a warm place, place it in a plastic bag and make the bag as airtight as possible. Leave the camera for approximately one hour until the camera adjusts to the temperature difference.

Camera specifications

Product type	Digital camera (for shooting and displaying)		
Recording system	Still image	Digital recording (in accordance with DCF)	
	Compatible standards	Exif 2.21, DPOF, PRINT Image Matching II, PictBridge	
	Movie	QuickTime Motion JPEG support	
Memory	xD-Picture Card (16 to 512 MB)		
Number of storable still images (with a 16 MB card)	Image quality	Resolution (image size)	Number of storable images
	SUPER HIGH 4M	2288 × 1712	Approx. 16
	HIGH 2M	1600 × 1200	Approx. 32
	BASIC 1M	1024 × 768	Approx. 58
	E-MAIL VGA	640 × 480	Approx. 99
Maximum continuous recording time of movie (with a 16 MB card)	Image quality	Resolution (image size)	Recording time
	FINE	640 × 480 (15 frames/sec.)	Approx. 17 sec. (with sound) Approx. 17 sec. (without sound)
	STANDARD	320 × 240 (30 frames/sec.)	Approx. 34 sec. (with sound) Approx. 35 sec. (without sound)
	EXTENDED	160 × 120 (15 frames/sec.)	Approx. 3 min. 59 sec. (with sound) Approx. 4 min. 42 sec. (without sound)
	SUPER FINE CLIP	800 × 600 (15 frames/sec.)	Approx. 10 sec.* (with sound) Approx. 10 sec.* (without sound)

* Fixed regardless of the card memory size

Number of effective pixels	4,000,000 pixels
Image pickup device	1/2.7" CCD (primary color filter)
Lens	Olympus lens 6.2 to 17.3 mm (equivalent to 40 to 112 mm lens on a 35mm film format), F2.9 to 4.8
Photometric system	Digital ESP metering by image pickup device, Spot metering system
Shutter speed	1/2 to 1/1000 sec. (max. 4 sec. in night scene mode)
Shutter shooting distance	0.5 m - ∞ (1.6 ft. - ∞) (normal), 0.3 m - ∞ (1.0 ft. - ∞) (in macro mode), 0.03 - 0.5 m (0.1 - 1.6 ft.) (in super macro mode)
Monitor	2.5" TFT color LCD display, 206,000 pixels
Automatic calendar system	Automatic adjustment in range of 2000 to 2099
Operating environment	Temperature: 0 to 40 °C (32 to 104 °F) (operation) / – 20 to 60 °C (– 4 to 140 °F) (storage)
	Humidity: 30 to 90 % (operation) / 10 to 90 % (storage)
Power supply	Specified lithium ion rechargeable battery or AC adapter
Dimensions	Approx. 95 × 71 × 26.7 mm (3.7" × 2.8" × 1.1") (W × H × D) (excluding protrusions)
Mass	Approx. 172 g (6.1 oz.) (without battery and card)

Specifications are subject to change without any notice or obligation on the part of the manufacturer.

Specifications of accessories

xD-Picture Card	
Product type	xD-Picture Card for digital cameras
Memory type	NAND flash EEP-ROM
Memory capacity	16 MB
Operating voltage	3 V (3.3 V)
Operating temperature	0 to 55 °C (32 to 131 °F) (operation) / – 20 to 65 °C (– 4 to 149 °F) (storage)
Operating humidity	Less than 95 % (operation and storage)
Dimensions	Approx. 20 × 25 × 1.7 mm (0.8" × 1.0" × 0.07") (W × H × D)
Cradle	
Terminals	DC IN, USB, A/V OUTPUT, Camera connector, ↄDock&Done connector
Operating environment	Temperature: 0 to 40 °C (32 to 104 °F) (operation) / – 20 to 60 °C (– 4 to 140 °F) (storage)
	Humidity: 30 to 90 % (operation) / 10 to 90 % (storage)
Dimensions	Approx. 77.5 × 124.5 × 32.5 mm (3.1" × 5" × 1.3") (W × H × D) (excluding protrusions)
Mass	Approx. 85 g (3 oz.)

Lithium ion rechargeable battery (LI-12B)	
Product type	Rechargeable lithium ion battery
Nominal voltage	DC 3.7 V
Nominal capacity	1230 mAh
Number of chargings	Approx. 300 (Varies according to conditions of use.)
Operating temperature	0 to 40 °C (32 to 104 °F) (charge) / – 10 to 60 °C (14 to 140 °F) (operation) / 0 to 30 °C (32 to 86 °F) (storage)
Dimensions	Approx. 31.9 × 45.8 × 10 mm (1.3" × 1.8" × 0.4") (W × H × D)
Mass	Approx. 35 g (1.2 oz.)
AC adapter (A511)	
Input rate	AC100 to 240 V, 50/60 Hz, 23 to 32 VA, 13 W
Output rate	DC 5 V, 2.0 A
Operating temperature	0 to 40 °C (32 to 104 °F)
Storage temperature	– 10 to 70 °C (14 to 158 °F)
Dimensions	Approx. 47 × 72 × 28 mm (1.9" × 2.8" × 1.1") (W × H × D)
Mass	Approx. 160 g (5.6 oz.) (without power cord)

Specifications are subject to change without any notice or obligation on the part of the manufacturer.

Glossary

Number of Pixels

Pixels are the smallest units which comprise a digital image. Images consisting of greater numbers of pixels are more suitable for creating larger images.

Resolution (Image size)

This is the size of an image expressed by the number of points (pixels) comprising the image. For example, when the computer monitor setting is set to 640 × 480, an image shot at a size of 640 × 480 will be displayed over the entire surface of the monitor. However, when the monitor is set to 1024 × 768, the image will only fill a portion of the monitor area.

Digital ESP photometry

This is a method of photometry wherein CCD output is used to separately measure the light of the surrounding and center areas in order to calculate the exposure. You can use this function on this camera by selecting Auto in Photometry.

Exposure

Exposure refers to how the shutter opens to take in light, and the amount of light received by the film or sensor so that a picture can be taken. The shutter speed adjusts how long the sensor is kept exposed to light, and the aperture adjusts how wide the lens diaphragm is opened to determine the amount of light allowed through the lens.

AE (Automatic Exposure)

This is a method which utilizes a built-in exposure meter to automatically determine the exposure. Appropriate apertures and shutter speeds have been set for the 19 types of shooting modes in this camera.

CCD (Charge Coupled Device)

This device employs a chip which with analog sensors to receive light entering through the lens, which is then converted into electrical (digital) signals. The image is created when light received by the CCD is converted into RGB signals.

DCF (Design rule for Camera File system)

The standards for camera file systems stipulated by the Japan Electronics and Information Technology Industries Association (JEITA).

DPOF (Digital Print Order Format)

This is a format for storing automatic print out information for digital cameras. Which images and the number of copies you want to print can be specified and stored onto the card where the image has been stored. This will allow for easy printing using DPOF compatible Print Shop and printers.

EV (Exposure Value)

From an exposure value of zero EV defined by the combination of an aperture value of f1 and the shutter speed of one second. Each time you halve the amount of light collected by the sensor by halving the aperture or by doubling shutter speed, the EV will increase by 1. The EV can also be derived with respect to brightness and ISO sensitivity.

JPEG (Joint Photographic Experts Group)

This is a method for compressing color still pictures. Pictures (images) shot with this camera are recorded to card in JPEG format. When these pictures are read to your computer, you can process them using graphics software or view them using internet browsing software.

NTSC/PAL (National Television Systems Committee/Phase Alternating Line)

A television image signal method. NTSC is mainly used in North America, Japan, and South Korea, and PAL is mainly used in European countries and in China.

PictBridge

This is a standard which allows you to print from your digital camera directly to your printer without the use of a computer. This system bridges digital cameras and printers of different makes and models to make direct printing possible.

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Before you contact us

- Confirm the following points before contacting us so that we can provide quick and accurate answers.
- Please fill out this check sheet if you want to contact us by fax or mail.
- Symptom, displayed messages, frequency, and other details of the problem:
  PC-related problems are difficult to accurately identify. Please provide as much detail as possible.

- **Name:**
- **Contact information:** Postal code
  Address (your residential address or office address)
  Phone/Fax
  E-mail
- **Product name (model):**
- **Serial number (located on the bottom of the product):**
- **Purchase date:**

* Please provide the following information if you are using the digital camera connected to a computer or if you are using third party application software:

- **Type of PC:**
  Manufacturer, model, and others
- **Memory size and free hard disk space:**
- **Type of operating system and version:**
  (Windows) Settings on Control Panel/System/Device Manager
  (Mac OS) Settings on Control Panel and System Extension
- **Other peripheral devices connected:**
- **Name and version of the application software related to your problem:**
- **Name and version of the OLYMPUS software product related to your problem:**

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